

```
1 from flask import Flask, render_template, request
2
3 app = Flask(__name__)
4
5
6 @app.route("/")
7 def index():
8     return render_template("index.html")
9
10
11 @app.route("/register", methods=["POST"])
12 def register():
13     if not request.form.get("name") or not request.form.get("dorm"):
14         return render_template("failure.html")
15     return render_template("success.html")
```

---

```
1  {% extends "layout.html" %}\n2\n3  {% block body %}\n4      You must provide your name and dorm!\n5  {% endblock %}
```

```
1  {% extends "layout.html" %}\n2\n3  {% block body %}\n4      <h1>Register for Frosh IMs</h1>\n5      <form action="/register" method="post">\n6          <input autocomplete="off" autofocus name="name" placeholder="Name" type="text">\n7          <select name="dorm">\n8              <option disabled selected value="">Dorm</option>\n9              <option value="Apley Court">Apley Court</option>\n10             <option value="Canaday">Canaday</option>\n11             <option value="Grays">Grays</option>\n12             <option value="Greenough">Greenough</option>\n13             <option value="Hollis">Hollis</option>\n14             <option value="Holworthy">Holworthy</option>\n15             <option value="Hurlbut">Hurlbut</option>\n16             <option value="Lionel">Lionel</option>\n17             <option value="Matthews">Matthews</option>\n18             <option value="Mower">Mower</option>\n19             <option value="Pennypacker">Pennypacker</option>\n20             <option value="Stoughton">Stoughton</option>\n21             <option value="Straus">Straus</option>\n22             <option value="Thayer">Thayer</option>\n23             <option value="Weld">Weld</option>\n24             <option value="Wigglesworth">Wigglesworth</option>\n25         </select>\n26         <input type="submit" value="Register">\n27     </form>\n28  {% endblock %}
```

```
1 <!DOCTYPE html>
2
3 <html lang="en">
4     <head>
5         <meta name="viewport" content="initial-scale=1, width=device-width">
6         <title>froshims0</title>
7     </head>
8     <body>
9         {% block body %}{% endblock %}
10    </body>
11 </html>
```

```
1  {% extends "layout.html" %}  
2  
3  {% block body %}  
4      You are registered! (Well, not really.)  
5  {% endblock %}
```

```
1 from flask import Flask, redirect, render_template, request
2
3 # Configure app
4 app = Flask(__name__)
5
6 # Registered students
7 students = []
8
9
10 @app.route("/")
11 def index():
12     return render_template("index.html")
13
14
15 @app.route("/registrants")
16 def registrants():
17     return render_template("registered.html", students=students)
18
19
20 @app.route("/register", methods=["POST"])
21 def register():
22     name = request.form.get("name")
23     dorm = request.form.get("dorm")
24     if not name or not dorm:
25         return render_template("failure.html")
26     students.append(f"{name} from {dorm}")
27     return redirect("/registrants")
```

```
1  {% extends "layout.html" %}  
2  
3  {% block body %}  
4      You must provide your name and dorm!  
5  {% endblock %}
```

```
1  {% extends "layout.html" %}\n2\n3  {% block body %}\n4      <h1>Register for Frosh IMs</h1>\n5      <form action="/register" method="post">\n6          <input autocomplete="off" autofocus name="name" placeholder="Name" type="text">\n7          <select name="dorm">\n8              <option disabled selected value="">Dorm</option>\n9              <option value="Apley Court">Apley Court</option>\n10             <option value="Canaday">Canaday</option>\n11             <option value="Grays">Grays</option>\n12             <option value="Greenough">Greenough</option>\n13             <option value="Hollis">Hollis</option>\n14             <option value="Holworthy">Holworthy</option>\n15             <option value="Hurlbut">Hurlbut</option>\n16             <option value="Lionel">Lionel</option>\n17             <option value="Matthews">Matthews</option>\n18             <option value="Mower">Mower</option>\n19             <option value="Pennypacker">Pennypacker</option>\n20             <option value="Stoughton">Stoughton</option>\n21             <option value="Straus">Straus</option>\n22             <option value="Thayer">Thayer</option>\n23             <option value="Weld">Weld</option>\n24             <option value="Wigglesworth">Wigglesworth</option>\n25         </select>\n26         <input type="submit" value="Register">\n27     </form>\n28  {% endblock %}
```

```
1 <!DOCTYPE html>
2
3 <html lang="en">
4   <head>
5     <meta content="initial-scale=1, width=device-width" name="viewport">
6     <title>froshims1</title>
7   </head>
8   <body>
9     {% block body %}{% endblock %}
10  </body>
11 </html>
```

```
1  {% extends "layout.html" %}  
2  
3  {% block body %}  
4      <ul>  
5          {% for student in students %}  
6              <li>{{ student }}</li>  
7          {% endfor %}  
8      </ul>  
9  {% endblock %}
```

```
1 import os
2 import smtplib
3 from flask import Flask, render_template, request
4
5 # Configure app
6 app = Flask(__name__)
7
8
9 @app.route("/")
10 def index():
11     return render_template("index.html")
12
13
14 @app.route("/register", methods=["POST"])
15 def register():
16     name = request.form.get("name")
17     email = request.form.get("email")
18     dorm = request.form.get("dorm")
19     if not name or not email or not dorm:
20         return render_template("failure.html")
21     message = "You are registered!"
22     server = smtplib.SMTP("smtp.gmail.com", 587)
23     server.starttls()
24     server.login("jharvard@cs50.net", os.getenv("PASSWORD"))
25     server.sendmail("jharvard@cs50.net", email, message)
26     return render_template("success.html")
```

```
1  {% extends "layout.html" %}  
2  
3  {% block body %}  
4      You must provide your name and dorm!  
5  {% endblock %}
```

```
1  {% extends "layout.html" %}\n2\n3  {% block body %}\n4      <h1>Register for Frosh IMs</h1>\n5      <form action="/register" method="post">\n6          <input autocomplete="off" autofocus name="name" placeholder="Name" type="text">\n7          <input autocomplete="off" name="email" placeholder="Email" type="email">\n8          <select name="dorm">\n9              <option disabled selected value="">Dorm</option>\n10             <option value="Apley Court">Apley Court</option>\n11             <option value="Canaday">Canaday</option>\n12             <option value="Grays">Grays</option>\n13             <option value="Greenough">Greenough</option>\n14             <option value="Hollis">Hollis</option>\n15             <option value="Holworthy">Holworthy</option>\n16             <option value="Hurlbut">Hurlbut</option>\n17             <option value="Lionel">Lionel</option>\n18             <option value="Matthews">Matthews</option>\n19             <option value="Mower">Mower</option>\n20             <option value="Pennypacker">Pennypacker</option>\n21             <option value="Stoughton">Stoughton</option>\n22             <option value="Straus">Straus</option>\n23             <option value="Thayer">Thayer</option>\n24             <option value="Weld">Weld</option>\n25             <option value="Wigglesworth">Wigglesworth</option>\n26         </select>\n27         <input type="submit" value="Register">\n28     </form>\n29  {% endblock %}
```

```
1 <!DOCTYPE html>
2
3 <html>
4     <head>
5         <meta content="initial-scale=1, width=device-width" name="viewport">
6         <title>froshims2</title>
7     </head>
8     <body>
9         {% block body %}{% endblock %}
10    </body>
11 </html>
```

```
1  {% extends "layout.html" %}  
2  
3  {% block body %}  
4      You are registered! (Really.)  
5  {% endblock %}
```

```
1 from flask import Flask, render_template, request
2 import csv
3
4 app = Flask(__name__)
5
6
7 @app.route("/")
8 def index():
9     return render_template("index.html")
10
11
12 @app.route("/register", methods=["POST"])
13 def register():
14     if not request.form.get("name") or not request.form.get("dorm"):
15         return render_template("failure.html")
16     file = open("registered.csv", "a")
17     writer = csv.writer(file)
18     writer.writerow((request.form.get("name"), request.form.get("dorm")))
19     file.close()
20     return render_template("success.html")
21
22
23 @app.route("/registered")
24 def registered():
25     file = open("registered.csv", "r")
26     reader = csv.reader(file)
27     students = list(reader)
28     file.close()
29     return render_template("registered.html", students=students)
```



```
1  {% extends "layout.html" %}  
2  
3  {% block body %}  
4      You must provide your name and dorm!  
5  {% endblock %}
```

```
1  {% extends "layout.html" %}\n2\n3  {% block body %}\n4      <h1>Register for Frosh IMs</h1>\n5      <form action="/register" method="post">\n6          <input autocomplete="off" autofocus name="name" placeholder="Name" type="text">\n7          <select name="dorm">\n8              <option disabled selected value="">Dorm</option>\n9              <option value="Apley Court">Apley Court</option>\n10             <option value="Canaday">Canaday</option>\n11             <option value="Grays">Grays</option>\n12             <option value="Greenough">Greenough</option>\n13             <option value="Hollis">Hollis</option>\n14             <option value="Holworthy">Holworthy</option>\n15             <option value="Hurlbut">Hurlbut</option>\n16             <option value="Lionel">Lionel</option>\n17             <option value="Matthews">Matthews</option>\n18             <option value="Mower">Mower</option>\n19             <option value="Pennypacker">Pennypacker</option>\n20             <option value="Stoughton">Stoughton</option>\n21             <option value="Straus">Straus</option>\n22             <option value="Thayer">Thayer</option>\n23             <option value="Weld">Weld</option>\n24             <option value="Wigglesworth">Wigglesworth</option>\n25         </select>\n26         <input type="submit" value="Register"> or see <a href="/registered">see who else is registered</a>\n27     </form>\n28  {% endblock %}
```

```
1 <!DOCTYPE html>
2
3 <html>
4     <head>
5         <meta name="viewport" content="initial-scale=1, width=device-width">
6         <title>froshims3</title>
7     </head>
8     <body>
9         {% block body %}{% endblock %}
10    </body>
11 </html>
```

```
1  {% extends "layout.html" %}\n2\n3  {% block body %}\n4      <h1>Registered</h1>\n5      <ul>\n6          {% for student in students %}\n7              <li>{{ student[0] }} from {{ student[1] }}</li>\n8          {% endfor %}\n9      </ul>\n10  {% endblock %}
```

```
1  {% extends "layout.html" %}  
2  
3  {% block body %}  
4      You are <a href="/registered">registered</a>! (Really.)  
5  {% endblock %}
```

```
1 from flask import Flask, render_template, request
2 import csv
3
4 app = Flask(__name__)
5
6
7 @app.route("/")
8 def index():
9     return render_template("index.html")
10
11
12 @app.route("/register", methods=["POST"])
13 def register():
14     if not request.form.get("name") or not request.form.get("dorm"):
15         return render_template("failure.html")
16     with open("registered.csv", "a") as file:
17         writer = csv.DictWriter(file, fieldnames=["name", "dorm"])
18         writer.writerow({"name": request.form.get("name"), "dorm": request.form.get("dorm")})
19     return render_template("success.html")
20
21
22 @app.route("/registered")
23 def registered():
24     with open("registered.csv", "r") as file:
25         reader = csv.DictReader(file)
26         students = list(reader)
27     return render_template("registered.html", students=students)
```

---

1 name,dorm

```
1  {% extends "layout.html" %}  
2  
3  {% block body %}  
4      You must provide your name and dorm!  
5  {% endblock %}
```

```
1  {% extends "layout.html" %}\n2\n3  {% block body %}\n4      <h1>Register for Frosh IMs</h1>\n5      <form action="/register" method="post">\n6          <input autocomplete="off" autofocus name="name" placeholder="Name" type="text">\n7          <select name="dorm">\n8              <option disabled selected value="">Dorm</option>\n9              <option value="Apley Court">Apley Court</option>\n10             <option value="Canaday">Canaday</option>\n11             <option value="Grays">Grays</option>\n12             <option value="Greenough">Greenough</option>\n13             <option value="Hollis">Hollis</option>\n14             <option value="Holworthy">Holworthy</option>\n15             <option value="Hurlbut">Hurlbut</option>\n16             <option value="Lionel">Lionel</option>\n17             <option value="Matthews">Matthews</option>\n18             <option value="Mower">Mower</option>\n19             <option value="Pennypacker">Pennypacker</option>\n20             <option value="Stoughton">Stoughton</option>\n21             <option value="Straus">Straus</option>\n22             <option value="Thayer">Thayer</option>\n23             <option value="Weld">Weld</option>\n24             <option value="Wigglesworth">Wigglesworth</option>\n25         </select>\n26         <input type="submit" value="Register"> or see <a href="/registered">see who else is registered</a>\n27     </form>\n28  {% endblock %}
```

```
1 <!DOCTYPE html>
2
3 <html>
4     <head>
5         <meta name="viewport" content="initial-scale=1, width=device-width">
6         <title>froshims4</title>
7     </head>
8     <body>
9         {% block body %}{% endblock %}
10    </body>
11 </html>
```

```
1  {% extends "layout.html" %}\n2\n3  {% block body %}\n4      <h1>Registered</h1>\n5      <ul>\n6          {% for student in students %}\n7              <li>{{ student["name"] }} from {{ student["dorm"] }}</li>\n8          {% endfor %}\n9      </ul>\n10  {% endblock %}
```

```
1  {% extends "layout.html" %}  
2  
3  {% block body %}  
4      You are <a href="/registered">registered</a>! (Really.)  
5  {% endblock %}
```

```
1 from flask import Flask, render_template, request
2 import csv
3
4 app = Flask(__name__)
5
6
7 @app.route("/")
8 def index():
9     return render_template("index.html")
10
11
12 @app.route("/register", methods=["POST"])
13 def register():
14     if not request.form.get("name") or not request.form.get("dorm"):
15         return render_template("failure.html")
16     with open("registered.csv", "a") as file:
17         writer = csv.DictWriter(file, fieldnames=["name", "dorm"])
18         writer.writerow({"name": request.form.get("name"), "dorm": request.form.get("dorm")})
19     return render_template("success.html")
20
21
22 @app.route("/registered")
23 def registered():
24     with open("registered.csv", "r") as file:
25         reader = csv.DictReader(file)
26         students = list(reader)
27     return render_template("registered.html", students=students)
```

---

1 name,dorm

---

```
1  {% extends "layout.html" %}  
2  
3  {% block body %}  
4      You must provide your name and dorm!  
5  {% endblock %}
```

```
1  {% extends "layout.html" %}\n2\n3  {% block body %}\n4      <h1>Register for Frosh IMs</h1>\n5      <form action="/register" method="post">\n6          <input autocomplete="off" autofocus name="name" placeholder="Name" type="text">\n7          <select name="dorm">\n8              <option disabled selected value="">Dorm</option>\n9              <option value="Apley Court">Apley Court</option>\n10             <option value="Canaday">Canaday</option>\n11             <option value="Grays">Grays</option>\n12             <option value="Greenough">Greenough</option>\n13             <option value="Hollis">Hollis</option>\n14             <option value="Holworthy">Holworthy</option>\n15             <option value="Hurlbut">Hurlbut</option>\n16             <option value="Lionel">Lionel</option>\n17             <option value="Matthews">Matthews</option>\n18             <option value="Mower">Mower</option>\n19             <option value="Pennypacker">Pennypacker</option>\n20             <option value="Stoughton">Stoughton</option>\n21             <option value="Straus">Straus</option>\n22             <option value="Thayer">Thayer</option>\n23             <option value="Weld">Weld</option>\n24             <option value="Wigglesworth">Wigglesworth</option>\n25         </select>\n26         <input type="submit" value="Register">\n27     </form>\n28  {% endblock %}
```

```
1 <!DOCTYPE html>
2
3 <html>
4     <head>
5         <meta name="viewport" content="initial-scale=1, width=device-width">
6         <title>froshims5</title>
7     </head>
8     <body>
9         {% block body %}{% endblock %}
10    </body>
11 </html>
```

```
1  {% extends "layout.html" %}\n2\n3  {% block body %}\n4      <h1>Registered</h1>\n5      <ul>\n6          {% for student in students %}\n7              <li>{{ student["name"] }} from {{ student["dorm"] }}</li>\n8          {% endfor %}\n9      </ul>\n10  {% endblock %}
```

```
1  {% extends "layout.html" %}  
2  
3  {% block body %}  
4      You are <a href="/registered">registered</a>! (Really.)  
5  {% endblock %}
```

```
1 from flask import Flask, render_template, request
2 import csv
3
4 app = Flask(__name__)
5
6
7 @app.route("/")
8 def index():
9     return render_template("index.html")
10
11
12 @app.route("/register", methods=["POST"])
13 def register():
14     if not request.form.get("name") or not request.form.get("dorm"):
15         return render_template("failure.html")
16     with open("registered.csv", "a") as file:
17         writer = csv.DictWriter(file, fieldnames=["name", "dorm"])
18         writer.writerow({"name": request.form.get("name"), "dorm": request.form.get("dorm")})
19     return render_template("success.html")
20
21
22 @app.route("/registered")
23 def registered():
24     with open("registered.csv", "r") as file:
25         reader = csv.DictReader(file)
26         students = list(reader)
27     return render_template("registered.html", students=students)
```

---

1 name,dorm

```
1  {% extends "layout.html" %}  
2  
3  {% block body %}  
4      You must provide your name and dorm!  
5  {% endblock %}
```

```
1  {% extends "layout.html" %}  
2  
3  {% block body %}  
4      <h1>Register for Frosh IMs</h1>  
5      <form action="/register" method="post">  
6          <input autocomplete="off" autofocus name="name" placeholder="Name" type="text">  
7          <select name="dorm">  
8              <option disabled selected value="">Dorm</option>  
9              <option value="Apley Court">Apley Court</option>  
10             <option value="Canaday">Canaday</option>  
11             <option value="Grays">Grays</option>  
12             <option value="Greenough">Greenough</option>  
13             <option value="Hollis">Hollis</option>  
14             <option value="Holworthy">Holworthy</option>  
15             <option value="Hurlbut">Hurlbut</option>  
16             <option value="Lionel">Lionel</option>  
17             <option value="Matthews">Matthews</option>  
18             <option value="Mower">Mower</option>  
19             <option value="Pennypacker">Pennypacker</option>  
20             <option value="Stoughton">Stoughton</option>  
21             <option value="Straus">Straus</option>  
22             <option value="Thayer">Thayer</option>  
23             <option value="Weld">Weld</option>  
24             <option value="Wigglesworth">Wigglesworth</option>  
25         </select>  
26         <input type="submit" value="Register">  
27     </form>  
28  
29     <script>  
30  
31         document.querySelector('form').onsubmit = function() {  
32             if (!document.querySelector('input').value) {  
33                 alert('You must provide your name!');  
34                 return false;  
35             }  
36             else if (!document.querySelector('select').value) {  
37                 alert('You must provide your dorm!');  
38                 return false;  
39             }  
40             return true;  
41         };  
42  
43     </script>  
44  
45     {% endblock %}
```



```
1 <!DOCTYPE html>
2
3 <html>
4     <head>
5         <meta name="viewport" content="initial-scale=1, width=device-width">
6         <title>froshims6</title>
7     </head>
8     <body>
9         {% block body %}{% endblock %}
10    </body>
11 </html>
```

```
1  {% extends "layout.html" %}\n2\n3  {% block body %}\n4      <h1>Registered</h1>\n5      <ul>\n6          {% for student in students %}\n7              <li>{{ student["name"] }} from {{ student["dorm"] }}</li>\n8          {% endfor %}\n9      </ul>\n10  {% endblock %}
```

```
1  {% extends "layout.html" %}  
2  
3  {% block body %}  
4      You are <a href="/registered">registered</a>! (Really.)  
5  {% endblock %}
```

```
1 from flask import Flask, render_template, request
2
3 app = Flask(__name__)
4
5
6 @app.route("/")
7 def index():
8     return render_template("index.html", name=request.args.get("name", "world"))
```

```
1 <!DOCTYPE html>
2
3 <html lang="en">
4     <head>
5         <meta name="viewport" content="initial-scale=1, width=device-width">
6         <title>hello</title>
7     </head>
8     <body>
9         hello, {{ name }}
10    </body>
11 </html>
```

```
1 # Implements a web server
2
3 from http.server import BaseHTTPRequestHandler, HTTPServer
4
5
6 # HTTPRequestHandler class
7 class HTTPServer_RequestHandler(BaseHTTPRequestHandler):
8
9     # GET
10    def do_GET(self):
11
12        # Send response status code
13        self.send_response(200)
14
15        # Send headers
16        self.send_header("Content-type", "text/html")
17        self.end_headers()
18
19        # Send body
20        self.wfile.write(b"<!DOCTYPE html>")
21        self.wfile.write(b"<html lang='en'>")
22        self.wfile.write(b"<head>")
23        self.wfile.write(b"<title>hello, title</title>")
24        self.wfile.write(b"</head>")
25        self.wfile.write(b"<body>")
26        self.wfile.write(b"hello, body")
27        self.wfile.write(b"</body>")
28        self.wfile.write(b"</html>")
29
30
31 # Configure server
32 port = 8080
33 server_address = ("0.0.0.0", port)
34 httpd = HTTPServer(server_address, HTTPServer_RequestHandler)
35
36 # Run server
37 httpd.serve_forever()
```

```
1 from flask import Flask, render_template, request
2
3 app = Flask(__name__)
4
5 WORDS = []
6 with open("large", "r") as file:
7     for line in file.readlines():
8         WORDS.append(line.rstrip())
9
10 @app.route("/")
11 def index():
12     return render_template("index.html")
13
14
15 @app.route("/search")
16 def search():
17     words = [word for word in WORDS if word.startswith(request.args.get("q"))]
18     return render_template("search.html", words=words)
```

```
1  {% extends "layout.html" %}  
2  
3  {% block body %}  
4      <form action="/search" method="get">  
5          <input autocomplete="off" autofocus name="q" placeholder="Query" type="text">  
6          <input type="submit" value="Search">  
7      </form>  
8  {% endblock %}
```

```
1 <!DOCTYPE html>
2
3 <html lang="en">
4     <head>
5         <meta name="viewport" content="initial-scale=1, width=device-width">
6         <title>words0</title>
7     </head>
8     <body>
9         {% block body %}{% endblock %}
10    </body>
11 </html>
```

```
1  {% extends "layout.html" %}  
2  
3  {% block body %}  
4      <ul>  
5          {% for word in words %}  
6              <li>{{ word }}</li>  
7          {% endfor %}  
8      </ul>  
9  {% endblock %}
```

```
1 from flask import Flask, render_template, request
2
3 app = Flask(__name__)
4
5 WORDS = []
6 with open("large", "r") as file:
7     for line in file.readlines():
8         WORDS.append(line.rstrip())
9
10 @app.route("/")
11 def index():
12     return render_template("index.html")
13
14
15 @app.route("/search")
16 def search():
17     q = request.args.get("q")
18     words = [word for word in WORDS if q and word.startswith(q)]
19     return render_template("search.html", words=words)
```

```
1 <!DOCTYPE html>
2
3 <html lang="en">
4   <head>
5     <meta name="viewport" content="initial-scale=1, width=device-width">
6     <title>words1</title>
7   </head>
8   <body>
9
10    <input autocomplete="off" autofocus placeholder="Query" type="text">
11
12    <ul></ul>
13
14    <script src="https://code.jquery.com/jquery-3.3.1.min.js"></script>
15    <script>
16
17      let input = document.querySelector('input');
18      input.onkeyup = function() {
19        $.get('/search?q=' + input.value, function(data) {
20          document.querySelector('ul').innerHTML = data;
21        });
22      };
23
24    </script>
25
26  </body>
27 </html>
```

```
1  {% for word in words %}  
2      <li>{{ word }}</li>  
3  {% endfor %}
```

```
1 from flask import Flask, jsonify, render_template, request
2
3 app = Flask(__name__)
4
5 WORDS = []
6 with open("large", "r") as file:
7     for line in file.readlines():
8         WORDS.append(line.rstrip())
9
10 @app.route("/")
11 def index():
12     return render_template("index.html")
13
14
15 @app.route("/search")
16 def search():
17     q = request.args.get("q")
18     words = [word for word in WORDS if q and word.startswith(q)]
19     return jsonify(words)
```

```
1  <!DOCTYPE html>
2
3  <html lang="en">
4      <head>
5          <meta name="viewport" content="initial-scale=1, width=device-width">
6          <title>words2</title>
7      </head>
8      <body>
9
10         <input autocomplete="off" autofocus placeholder="Query" type="text">
11
12         <ul></ul>
13
14         <script src="https://code.jquery.com/jquery-3.3.1.min.js"></script>
15         <script>
16
17             let input = document.querySelector('input');
18             input.onkeyup = function() {
19                 $.get('/search?q=' + input.value, function(data) {
20                     let html = '';
21                     for (word of data) {
22                         html += '<li>' + word + '</li>';
23                     }
24                     document.querySelector('ul').innerHTML = html;
25                 });
26             };
27
28         </script>
29
30     </body>
31 </html>
```

```
1  <!DOCTYPE html>
2
3  <html lang="en">
4      <head>
5          <meta name="viewport" content="initial-scale=1, width=device-width">
6          <title>words3</title>
7      </head>
8      <body>
9
10         <input autocomplete="off" autofocus placeholder="Query" type="text">
11
12         <ul></ul>
13
14         <script src="large.js"></script>
15         <script>
16
17             let input = document.querySelector('input');
18             input.onkeyup = function() {
19                 let html = '';
20                 if (input.value) {
21                     for (word of WORDS) {
22                         if (word.startsWith(input.value)) {
23                             html += '<li>' + word + '</li>';
24                         }
25                     }
26                 }
27                 document.querySelector('ul').innerHTML = html;
28             };
29
30         </script>
31
32     </body>
33 </html>
```