
```
1 import sys
2
3 from cs50 import SQL
4
5 db = SQL("sqlite:///lecture.db")
6
7 # Query database for all albums
8 rows = db.execute("SELECT * FROM Album WHERE Title = :t", t=sys.argv[1])
9
10 # For each album in database
11 for row in rows:
12
13     # Print title of album
14     print(row["Title"])
```

```
1  from flask import Flask, render_template, request
2
3  from cs50 import eprint, SQL
4
5  app = Flask(__name__)
6
7  db = SQL("sqlite:///lecture.db")
8
9  @app.route("/")
10 def index():
11     query = request.args.get("q")
12     eprint(query)
13     rows = db.execute("SELECT * FROM Album WHERE Title = :q", q=query)
14     return render_template("index.html", albums=rows)
```

```
1  {% extends "layout.html" %}
2
3  {% block body %}
4
5      <ul>
6          {% for album in albums %}
7              <li>{{ album["Title"] }}</li>
8          {% endfor %}
9      </ul>
10
11  {% endblock %}
```

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

```
1  from flask import Flask, redirect, render_template, request, session
2  from flask_session import Session
3
4  # Configure app
5  app = Flask(__name__)
6
7  # Configure sessions
8  app.config["SESSION_PERMANENT"] = False
9  app.config["SESSION_TYPE"] = "filesystem"
10 Session(app)
11
12 # Items for sale
13 ITEMS = ["foo", "bar", "baz"]
14
15 @app.route("/")
16 def index():
17     return render_template("index.html")
18
19
20 @app.route("/update", methods=["POST"])
21 def update():
22     for item in request.form:
23         session[item] = int(request.form.get(item))
24     return redirect("/cart")
25
26
27 @app.route("/cart")
28 def cart():
29     return render_template("cart.html", cart=session)
```

```
1  {% extends "layout.html" %}
2
3  {% block body %}
4  <h1>Cart</h1>
5  {% for item in cart %}
6      {{ item }} : {{ cart[item] }}
7      <br/>
8  {% endfor %}
9  <p>
10     <a href="/">Continue shopping</a>.
11 </p>
12 {% endblock %}
```

```
1  {% extends "layout.html" %}
2
3  {% block body %}
4  <h1>Store</h1>
5  <form action="/update" method="post">
6      <input min="0" name="foo" type="number" value="0"/> Foo
7      <br/>
8      <input min="0" name="bar" type="number" value="0"/> Bar
9      <br/>
10     <input min="0" name="baz" type="number" value="0"/> Baz
11     <br/>
12     <input type="submit" value="Purchase"/>
13 </form>
14 <p>
15     View your <a href="/cart">shopping cart</a>.
16 </p>
17 {% endblock %}
```

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