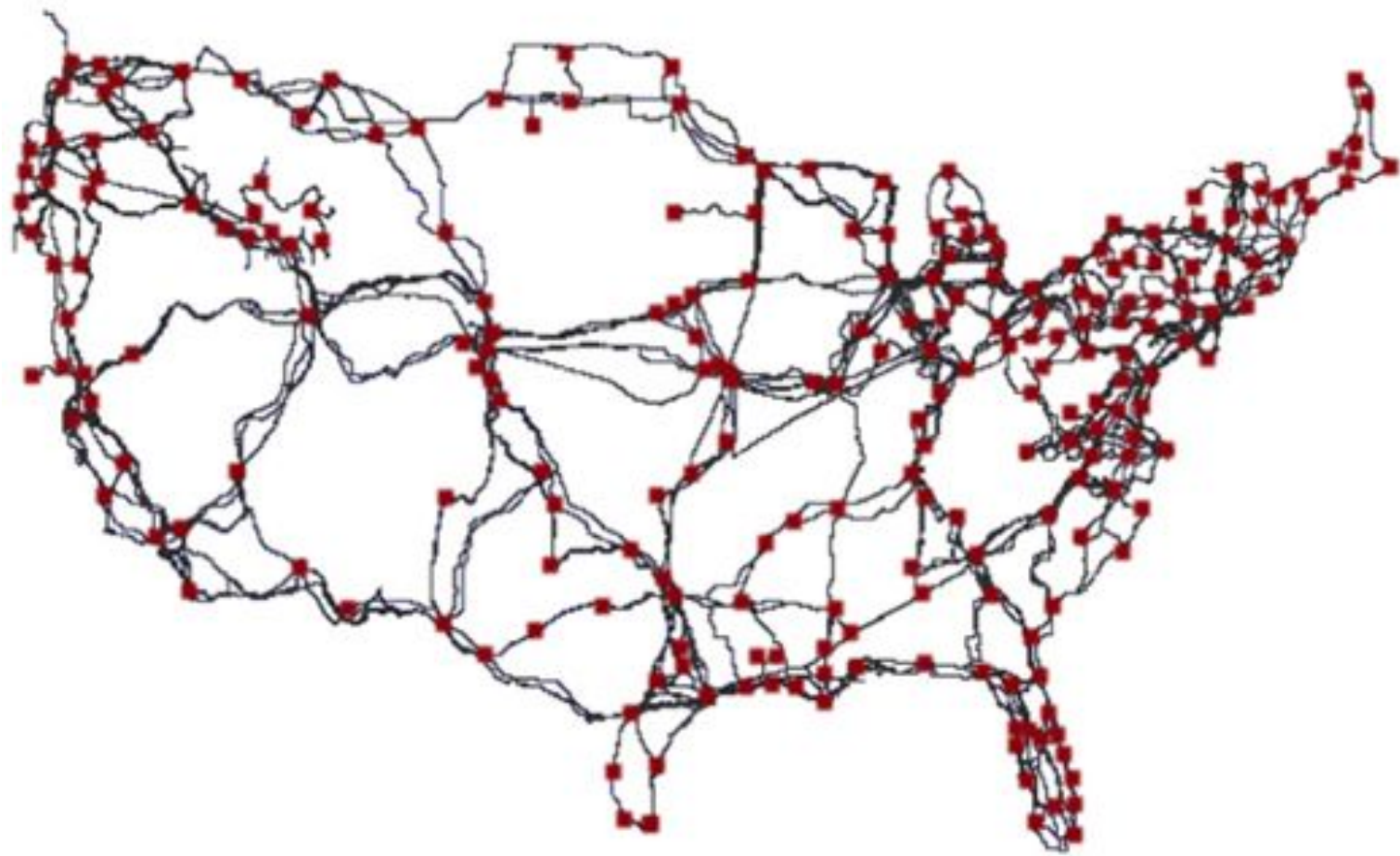
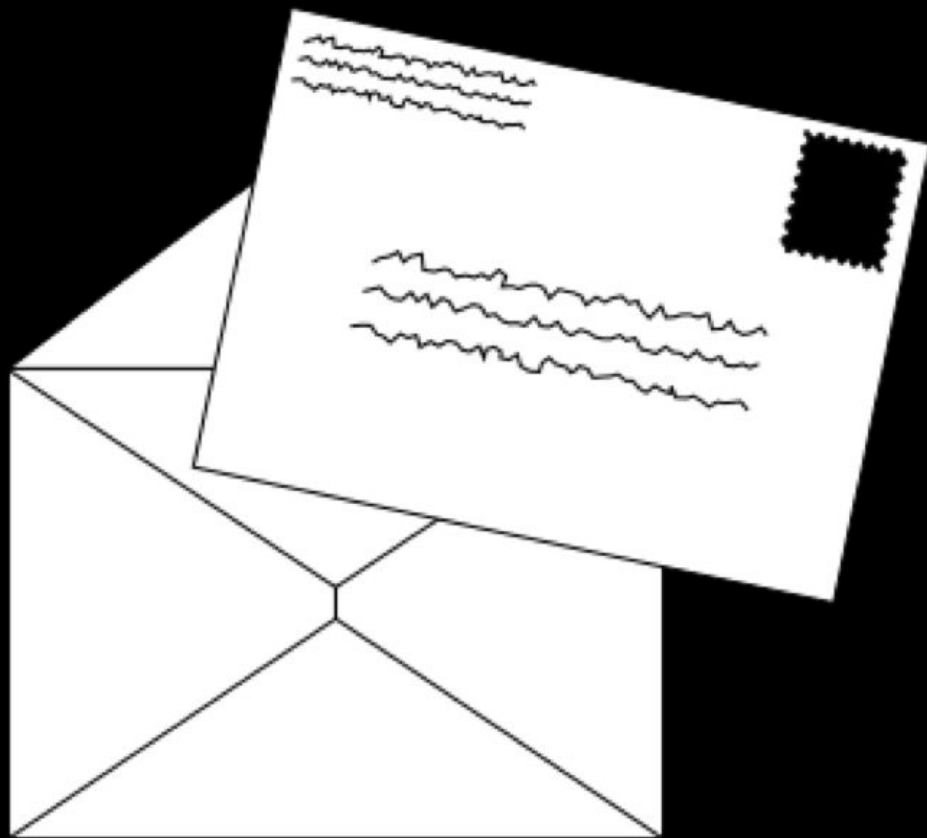


This is CS50

internet



TCP/IP



IP

DNS

TCP

80 HTTP

443 HTTPS

...





HTTP

GET

POST

...

<https://www.example.com/>

<https://www.example.com/>

<https://www.example.com/>

<https://www.example.com/>

<https://www.example.com/>

<https://www.example.com/>

<https://www.example.com/index.html>

HTTP

GET / HTTP/1.1

Host: www.example.com

...

```
GET /index.html HTTP/1.1
```

```
Host: www.example.com
```

```
...
```

HTTP/1.1 200 OK

Content-Type: text/html

...

GET / HTTP/1.1

Host: www.harvard.edu

...

HTTP/1.1 301 Moved Permanently
Location: <https://www.harvard.edu/>

...

HTTP/1.1 404 Not Found
Content-Type: text/html

...

200 OK
301 Moved Permanently
302 Found
304 Not Modified
307 Temporary Redirect
401 Unauthorized
403 Forbidden
404 Not Found
418 I'm a Teapot
500 Internal Server Error
503 Service Unavailable
...

GET / HTTP/1.1

Host: safetyschool.org

...

GET / HTTP/1.1

Host: www.harvardsucks.org

...

GET /search?q=cats HTTP/1.1

Host: www.google.com

...

HTML

tags

attributes

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
  <head>
```

```
    <title>
```

```
      hello, title
```

```
    </title>
```

```
  </head>
```

```
  <body>
```

```
    hello, body
```

```
  </body>
```

```
</html>
```

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
  <head>
```

```
    <title>
```

```
      hello, title
```

```
    </title>
```

```
  </head>
```

```
  <body>
```

```
    hello, body
```

```
  </body>
```

```
</html>
```

```
<!DOCTYPE html>
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```
<html lang="en">
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```
  <head>
```

```
    <title>
```

```
      hello, title
```

```
    </title>
```

```
  </head>
```

```
  <body>
```

```
    hello, body
```

```
  </body>
```

```
</html>
```

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
  <head>
```

```
    <title>
```

```
      hello, title
```

```
    </title>
```

```
  </head>
```

```
  <body>
```

```
    hello, body
```

```
  </body>
```

```
</html>
```

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
  <head>
```

```
    <title>
```

```
      hello, title
```

```
    </title>
```

```
  </head>
```

```
  <body>
```

```
    hello, body
```

```
  </body>
```

```
</html>
```

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
  <head>
```

```
    <title>
```

```
      hello, title
```

```
    </title>
```

```
  </head>
```

```
  <body>
```

```
    hello, body
```

```
  </body>
```

```
</html>
```

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
  <head>
```

```
    <title>
```

```
      hello, title
```

```
    </title>
```

```
  </head>
```

```
  <body>
```

```
    hello, body
```

```
  </body>
```

```
</html>
```



```
<!DOCTYPE html>

<html lang="en">
  <head>
    <title>
      hello, title
    </title>
  </head>
  <body>
    hello, body
  </body>
</html>
```

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
  <head>
```

```
    <title>
```

```
      hello, title
```

```
    </title>
```

```
  </head>
```

```
  <body>
```

```
    hello, body
```

```
  </body>
```

```
</html>
```

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
  <head>
```

```
    <title>
```

```
      hello, title
```

```
    </title>
```

```
  </head>
```

```
  <body>
```

```
    hello, body
```

```
  </body>
```

```
</html>
```

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
  <head>
```

```
    <title>
```

```
      hello, title
```

```
    </title>
```

```
  </head>
```

```
  <body>
```

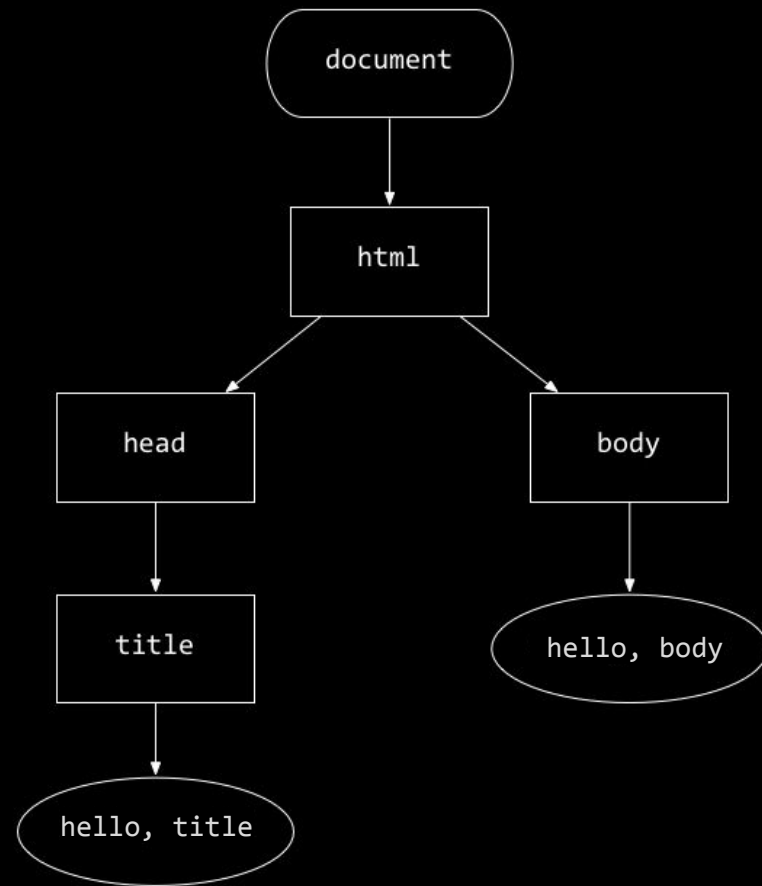
```
    hello, body
```

```
  </body>
```

```
</html>
```

```
<!DOCTYPE html>

<html lang="en">
  <head>
    <title>
      hello, title
    </title>
  </head>
  <body>
    hello, body
  </body>
</html>
```



CSS

properties

type selectors

class selectors

ID selectors

...


```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
  <head>
```

```
    <title>
```

```
      hello, title
```

```
    </title>
```

```
  </head>
```

```
  <body>
```

```
    hello, body
```

```
  </body>
```

```
</html>
```

```
<!DOCTYPE html>

<html lang="en">
  <head>
    <style>

    </style>
    <title>
      hello, title
    </title>
  </head>
  <body>
    hello, body
  </body>
</html>
```

```
<!DOCTYPE html>

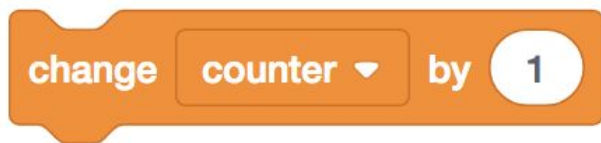
<html lang="en">
  <head>
    <link href="styles.css" rel="stylesheet">
    <title>
      hello, title
    </title>
  </head>
  <body>
    hello, body
  </body>
</html>
```

JavaScript





```
let counter = 0;
```

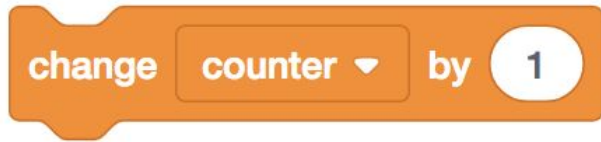




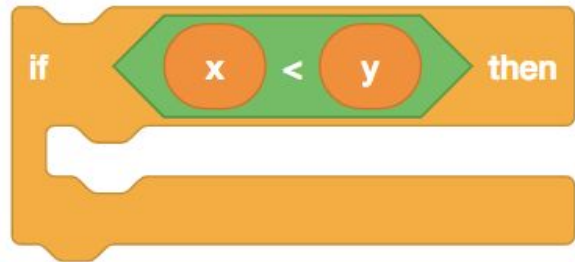
```
counter = counter + 1;
```

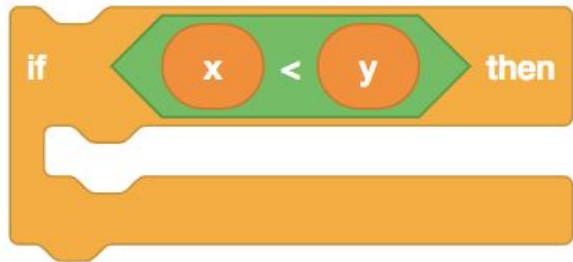



```
counter += 1;
```

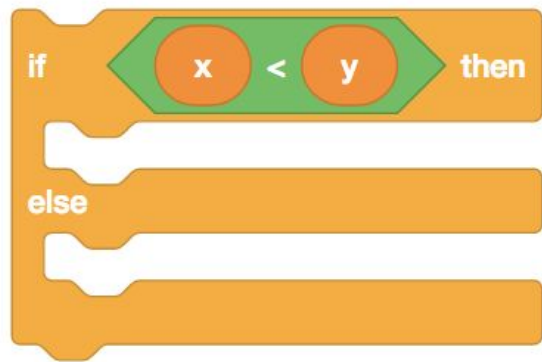


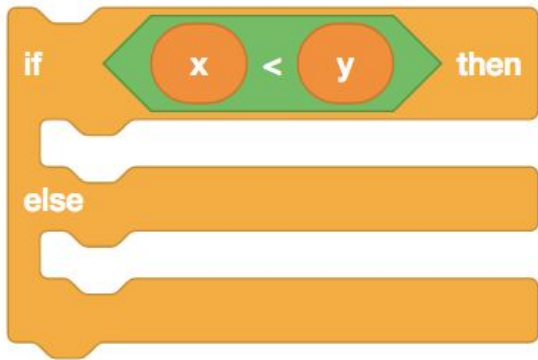
```
counter++;
```



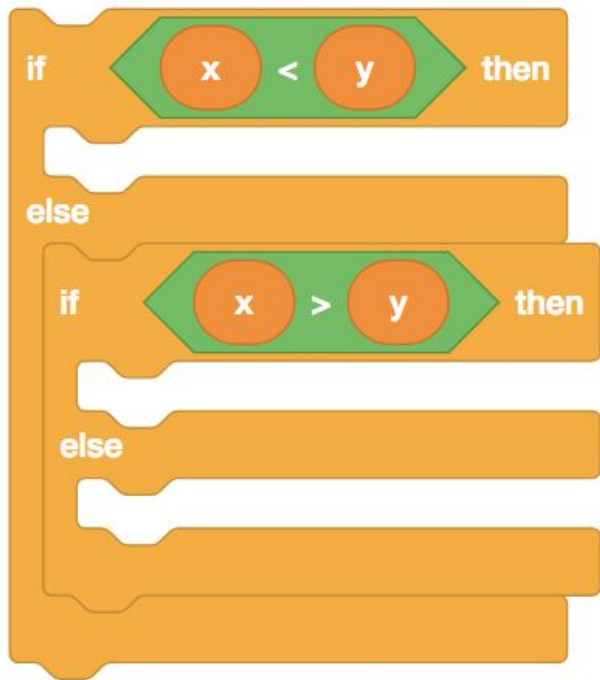


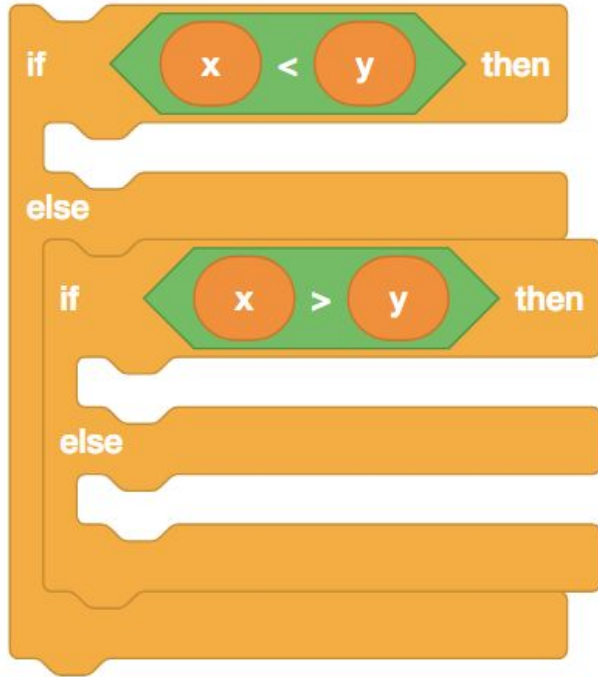
```
if (x < y)
{
}
}
```





```
if (x < y)
{
}
else
{
}
```



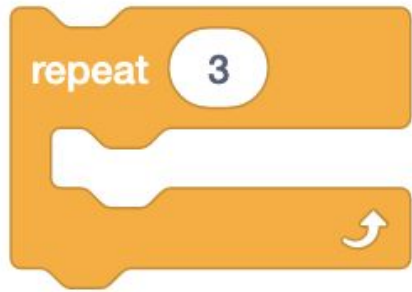


```
if (x < y)
{
}
else if (x > y)
{
}
else
{
}
```






```
while (true)
{
}
```



```
for (let i = 0; i < 3; i++)  
{  
  
}  
}
```

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
  <head>
```

```
    <title>
```

```
      hello, title
```

```
    </title>
```

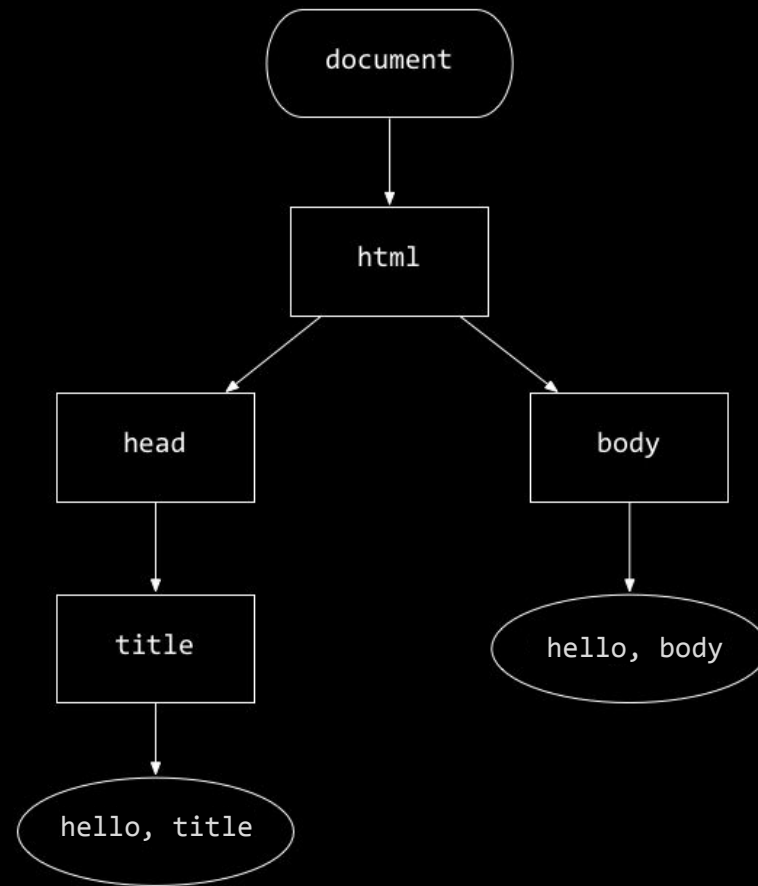
```
  </head>
```

```
  <body>
```

```
    hello, body
```

```
  </body>
```

```
</html>
```



```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
  <head>
```

```
    <title>
```

```
      hello, title
```

```
    </title>
```

```
  </head>
```

```
  <body>
```

```
    hello, body
```

```
  </body>
```

```
</html>
```

```
<!DOCTYPE html>

<html lang="en">
  <head>
    <script>

    </script>
    <title>
      hello, title
    </title>
  </head>
  <body>
    hello, body
  </body>
</html>
```

```
<!DOCTYPE html>

<html lang="en">
  <head>
    <title>
      hello, title
    </title>
  </head>
  <body>
    hello, body
    <script>

    </script>
  </body>
</html>
```

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
  <head>
```

```
    <title>
```

```
      hello, title
```

```
    </title>
```

```
  </head>
```

```
  <body>
```

```
    hello, body
```

```
    <script src="scripts.js"></script>
```

```
  </body>
```

```
</html>
```


blur
change
click
drag
focus
keyup
load
mousedown
mouseover
mouseup
submit
touchmove
unload
...

This is CS50