

JavaScript

Web Design | HW Summer

2021-07-07 | Henry Woody

Creating DOM Elements

- Create elements to add to the page, this allows our pages to be dynamic

```
const parent = document.querySelector("#parent");  
const newDiv = document.createElement("div");  
newDiv.innerText = "Hello World!";  
parent.appendChild(newDiv);
```

Loops

- Loops execute the same code multiple times
- JavaScript supports the usual C-style for and while loops

```
for (let i = 0; i < 10; i++) {  
  console.log(i);  
}
```

```
let i = 0;  
while (i < 5) {  
  console.log(i);  
  i++;  
}
```


Arrays

- Arrays hold multiple values in a fixed order

```
const myArray = [1, 2, 3];
```

For-Each Loop

- Easily iterate over the values in an array with the for-each loop

```
myArray.forEach(e => {  
    console.log(e);  
});
```

Objects

- Objects hold data in key/value pairs
- JavaScript Object Notation (JSON) is a common format for sharing data

```
const myObject = {  
  "author": "User1234",  
  "title": "My First Post",  
  "body": "This is my first post!",  
  "tags": ["first", "fun", "interesting"],  
}
```

- Access Properties with a dot (“.”)

```
myObject.author
```


Try It

- Define an array of strings (text) and create a bullet point () for each