

# Dynamic Web



Reintroduction to JavaScript

# The Absolute Basics

1. Variables
2. Strings
3. Arrays
4. Objects
5. Functions

# Strings & Variables

```
1  var stringVar = 'A string';
2  var stringNum = '100239';
3  const stringConst = 'A string';
4  const stringConstTwo = "A string";
5  const stringConstTwo = "A string";
6  const stringConstThree = `A string`;
7  let stringLet = "A Let string";
8  let stringLet = "reset the let string";
9  let stringLet = `resetting the let string again`;
10
```

# More Strings & Variables

```
11  var stringVar = 'A string',
12  |   anotherStringVar = 'Setting more strings';
13
14  const firstNameConst = `James`,
15  |   |   lastNameConst = `Ayres`;
16
17  firstNameConst = `Not James`
18
19  let firstName,
20  |   lastName
21
22  firstName = `James`;
23  lastName = `Ayres`;
24
25  `James`;
```

# Template Literals

```
1  const firstName = `James`,  
2    |    |    |    lastName = `Ayres`;  
3  
4  let currentTask = `Teaching`;  
5  
6  const outputMessage = `Hi, my name is ${firstName} ${lastName} and I am  
   currently ${currentTask}`;
```

# Arrays & Objects

```
1  const listOfDogs = [  
2    'Boxer',  
3    'Pit Bull',  
4    'Horse'  
5  ];  
  
6  
7  const listOfDogs = [  
8    {  
9      'type': 'dog',  
10     'breed': 'Boxer'  
11   },  
12   {  
13     'type': 'dog',  
14     'breed': 'Pit Bull'  
15   },  
16   {  
17     'type': 'horse',  
18     'breed': 'Horse'  
19   },  
20  ];
```

# Alternative Way to Use Objects

```
1  let dogObject = new Object();  
2  
3  dogObject.breed = 'Pit Bull';  
4  dogObject.type = 'dog'  
5  
6  console.log('My Dog', dogObject);
```

# Functions

```
1  function myFunc(val) {  
2  |   return val;  
3  }  
4  
5  const myFuncDef = function(val) {  
6  |   return val;  
7  }  
8  
9  (function() {  
10 |   return 'A value';  
11 | })();  
12
```



# Arrow Functions

```
13    //--- Arrow Functions
14    const anotherFunc = (val) => {
15        |    return val;
16    }
17
18    const anotherFuncAnotherWay = val => val;
19
20    () => ('a dog');
21
```