



Udacity Course

Lesson 3 and 4

INSTRUCTOR
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Multiple choice questions

console.log(hello world)

Will this return an error or not?

Multiple choice questions

What do we use to store data?

Multiple choice questions

```
var age = 16;
```

```
age = age + 5;
```

Ans: ?

Multiple choice questions

var word = "What is your name";

What is the index number of letter "y"

Multiple choice questions

var age = 27; What data type?

var name = "Jacob"; What data type?

var short = true; What data type?

Multiple choice questions

```
var cutoff = 180;
```

```
var jambscore = 178;
```

```
if (jambscore > cutoff){  
    console.log("You passed Jamb");  
}else{  
    console.log("You failed Jamb");  
}
```

Multiple choice questions

Logical AND

false && false = ?

false && true = ?

true && false = ?

true && true = ?

Multiple choice questions

Logical OR

true || false = ?

false || true = ?

true || true = ?

false || false = ?

Multiple choice questions

a = 3

a === 3

What is the difference between the both?

Multiple choice questions

x = 2;

x++; This will return what value?

++**x**; This will return what value?

Multiple choice questions

Using Loop, print from 1 to 100

Multiple choice questions

How is the modulo operator written?

What is the modulo operator used for?

Multiple choice questions

Using modulo operator, what value will the code below return

5 % 3;

Multiple choice questions

FizzBuzz Challenge (Better Explained)

<https://sebhastian.com/fizzbuzz-javascript/>

Multiple choice questions

FizzBuzz Challenge Illustrated

```
for (var i = 1; i <= 100; i++) {  
  if(i % 3 === 0 && i % 5 === 0){  
    console.log("FizzBuzz")  
  }else if (i % 3 === 0) {  
    console.log("Fizz");  
  }else if (i % 5 === 0) {  
    console.log("Buzz");  
  }else {  
    console.log(i);  
  }  
}
```


Multiple choice questions

What is an array?

Multiple choice questions

What number does an array start with?

Multiple choice questions

How is an array represented?

Multiple choice questions

```
var cars = ["Toyota", "Honda", "Benz", "Lexus"];
```

```
console.log(cars[2]);
```

What will be the output of the above code?

Multiple choice questions

```
var cars = ["Toyota", "Honda", "Benz", "Lexus"];
```

```
cars[1] = "Nissan";
```

```
console.log(cars[1]);
```

What will be the output of the above code?

Multiple choice questions

What are objects?

Multiple choice questions

How are objects represented?

Multiple choice questions

Example

```
var umbrella = {  
  color: "green",  
  isOpen: false  
}
```


Class Work

1. Create an alert box using JavaScript. Exercise to be done in VS Code editor