

## LOOPS:

### Task 1

Write a "for" loop that will perform exactly the same repetitive code as this:

```
console.log(1)
console.log(2)
console.log(3)
console.log(4)
console.log(5)
console.log('Counting completed!')
```

### Task 2

Write a "for" loop that will perform exactly the same repetitive code as this:

```
console.log(5)

console.log(4)

console.log(3)

console.log(2)

console.log(1)

console.log('Countdown finished!')
```

### Task 3

Write a "while" loop that will perform exactly the same repetitive code as this:

```
console.log(1)

console.log(2)

console.log(3)

console.log(4)
```

```
console.log(5)
```

```
console.log('Counting completed!')
```

## Task 4

Write a "while" loop that will perform exactly the same repetitive code as this:

```
console.log(5)
```

```
console.log(4)
```

```
console.log(3)
```

```
console.log(2)
```

```
console.log(1)
```

```
console.log('Countdown finished!')
```

## Task 5

Write a "while" loop that will perform exactly the same repetitive code as this:

```
console.log(2018)
```

```
console.log(2019)
```

```
console.log(2020)
```

```
console.log(2021)
```

```
console.log(2022)
```

## Task 6

In this exercise, you will create the code for a for loop, using the counter variable named `i`, starting from 1.

To make the counter increment by 1 on each loop, you will use `i++`.

The exit condition for the for loop should match the output given below.

Inside the loop, write an if-else statement, which will check the following conditions:

1. First, it will check if the value of *i* is 1. If it is, your code will console log the string *"Gold medal"*.
2. Next, I will check if the value of *i* is 2. If it is, your code will console log the string *"Silver medal"*.
3. Then, your code will check if the value of *i* is 3. If it is, it will console log the string *"Bronze medal"*.
4. For all the remaining values of *i*, your code will console log just the value of *i*.

Note: The expected console log of the entire code should be as follows:

*Gold medal*

*Silver medal*

*Bronze medal*

4

5

6

7

8

9

10

***Switch Case. Use the completed code from the previous task, but convert the conditionals to a switch statement.***

*When you code the solution, the output in the console should remain exactly the same as in the previous question.*

**Note:** You'll need three separate cases for the three medals and a default case for all other values of the `i` variable.

## Task 7 (FUNCTIONS)

Your task in this exercise is to code a function that will be able to take a word and locate the position of a chosen letter in that given word.

### STEP 1:

Write a function named "letterFinder" that accepts two parameters: *word* and *match*.

### STEP 2:

Code a "for" loop inside the function's body. The for loop's counter should start at zero, increment by 1 on each iteration, and exit when the counter variable's value is equal to the length of the *word* parameter.

### STEP 3:

Add an if statement inside the for loop whose condition works as follows:

1. Access each of the letters inside the passed in *word* using the counter variable, with *word[i]*.
2. Check if the current *word[i]* is equal to the value of *match*.

### STEP 4:

console.log the following inside the body of the if statement: `console.log('Found the', match, 'at', i)`.

### STEP 5:

Write the else condition. Here you'll just console log the following: `console.log('---No match found at', i)`.

### STEP 6:

Call the *letterFinder* and pass it as its first argument the string "test," and as its second argument, the string "t."

Your output should be the following:

*Found the t at 0*

*---No match found at 1*

*---No match found at 2*

*Found the t at 3*

***NOTE: This is to be submitted on 18th of February 2023***