Assignment 1

Q1 Write a program that grades students based on their marks

```
let marks = 45

if(marks > 90){
    console.log("A Grade");
}else if(marks >= 70 && marks <= 90){
    console.log("B Grade");
}else if(marks >= 50 && marks < 70){
    console.log("C Grade");
}else{
    console.log("F Grade");
}
```

```
F Grade
```

Q2 Generate numbers between any 2 given numbers.

```
const num1 = 20;
const num2 = 25;

for(let number = num1;number <= num2;number++){
    console.log(number);
}
```

```
20
21
22
23
24
25
```

Q3

```
let number = 0;

let result = number > 0 ? "positive" : number < 0 ? "negative" : "zero" ;
console.log(result);
```

```
zero
```

Q4

comma operator can be used in array for separating the elements, used in delcaring multiple elements and used for printing the multiple values.

```javascript
let arr = [1,2,23,4];
let a = 2, b = 34, c = 89
console.log("Print a,b,c", a,b,c);
```

Q5

```javascript
let username = "admin";
let password = "12345";

if(username === "admin" && password == "12345"){
    console.log('Login Successful')
}else{
    console.log('Invalid credentials');
}
```

```
Login Successful
```

Q6

```javascript
let paymentMethod = 'debit'

switch(paymentMethod){
    case 'credit':
        console.log('Processing fee is 2%');
        break;
    case 'debit':
        console.log('Processing fee is 1.5%');
        break;
    case 'paypal':
        console.log('Processing fee is 3%');
        break;
    default:
        console.log('Please enter a valid payment method');
}
```

```
Processing fee is 1.5%
```

Q7

```javascript
let currTemp = 45;
let weatherCondition = currTemp > 30 ? "Hot" : "Moderate";
console.log('Weather condition :', weatherCondition)
```

```
Weather condition : Hot
```

Q8

```javascript
let n = 20;
let sumOfNum = 0;
let i = 1
do{
    sumOfNum = sumOfNum + i
    i++
}while(i<=n)

console.log(sumOfNum);
```

```
210
```