Functions

what is function declartion/function statement/ function definition ?

```
function gaurav (parameter){
    console.log("gg")
}

[gaurav jo ha usko function ka reference bolte ha] gaurav(argument) or bracket
ko bolte ha execution
```

what is function expression ?

variable ke andr function ko declare krna function expression kehlata ha

```
const square = function (num){
    return num
}
```

what is Anonymous function ?

```
let a = function (value){
    return value+ 1
}
a(4)
jis function may naam nhi hota usse anonymous funtion bolte ha
```

What are first class function ?

In JavaScript, first-class functions mean that functions are treated just like any other value, such as numbers or strings.

```
function square (num){
    return num*num
}

function output (fun){
    console.log(fun(5))
}

output(square)
```

What is IIFE?

Immediate invoked function

```
(function squre(num){
    consoele.log(num*num)
})()
```

Params and Arguments

```
function square(num) //Parama{
    console.log(num*num)
}

square(5) //Arguments
```

// function sum (...num){
// let sum = 0
// for(let i=0;i<num.length ; i++){
// sum = sum+num[i]
// }
// console.log(sum)
// }

// sum(1,2,3,4)

// let obj = {
// name:"gaurav",

```javascript
// class:"ameer"
// }

// function value (obj){
// console.log(obj)
// }

// value(obj)

let arr = [1,2,3,4,5]

function val(arr){
console.log(arr[4])
}

val(arr)
```