

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 kehata 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 squire(num){  
    console.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",  
// 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)
```

