

JS

Functions :- set of statements to perform the particular task.

Define :-

1) Function Declaration

Syntax:- function functionname (parameterlist)
{
 // body
}

e.g.
dec^r + defⁿ {
 let a = 10;
 let b = 20;
 function add (n₁, n₂)
 {
 let result = n₁ + n₂;
 console.log (result);
 }
}

calling the function

add(a, b)

② Function Expression let a=10
 let b=20

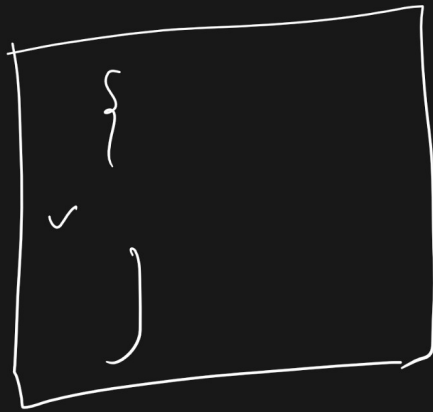
```
let addition = function (add) (n1, n2)  
    {  
        let result = n1 + n2;  
        console.log(result);  
    }
```

addition(a,b) // calling statement

③ Anonymous Function

```
let a=10  
let b=20  
let addition = function (n1, n2)  
    {  
        let result = n1 + n2;  
        console.log(result) ✓ 30  
    }
```

addition(a,b) ⇒



when it is run
 when i called this
 funⁿ

funⁿname()

④ IIFE (Immediate Invoked Function Expression)

let a = 10 -

let b = 20 ;

IIFE
 ↘ start
 (function (a,b)
 {
 let result = a+b
 console.log(result)
 }) (a,b) ; end

⑤ Arrow Function:-

→ same as a function expression

eg. let a = 10
 let b = 20

let addition = (a, b) ⇒
 { let result = a + b
 c.log(result)
 } } arrow
 Run?

addition(a, b)

gce
→

MAP	exp. phase
a: undefined - b: undefined - add: <div>body</div>	a: 10 - b: 20 - <div><div><div>MAP</div><div>exp.</div></div><div>a: 10 b: 20 result = 30</div></div>

#

Hoisting

undefined

c.log(a)
var a = 10

Variable of var

→ ✓ let a = 10
→ ✓ let b = 20
→ ✓ add(a, b)
 function add(a, b)
 {
 let result = a + b
 c.log(result)
 }