



Function in js

call back function

A callback function is a function passed into another function as an argument, which is then invoked inside the outer function to complete some kind of routine or action.

```
let subject =[
  {no:1,bookname:'Computer'},
  {no:2,bookname:'English'}];

let sub=subject.find(function(sub)
{return sub.bookname==='Computer'})
console.log(sub);

same funtion written in arrow function

let sub=subject.find(sub=>sub.bookname==='Computer')
```



Hoisting


- Hoisting is JavaScript's default behavior of moving declarations to the top.
- Hoisting is JavaScript's default behavior of moving all declarations to the top of the current scope (to the top of the current script or the current function).

```
//run( );  
  
function run()  
{  
    console.log( 'running' );  
}  
  
run( );
```

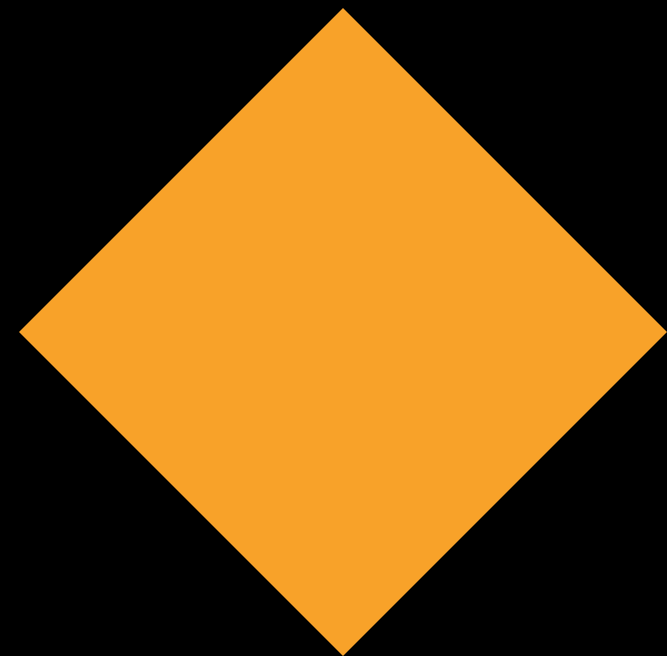


Named function assignment

- Give the name of that function
- only call at bottom



```
let get=function run()  
{  
  console.log( 'running' );  
}  
  
get();
```



Anonymous function assignment

An anonymous function is a function without a name. The following shows how to define an anonymous function.



```
let get=function()  
{  
  console.log( 'welcome' );  
}  
  
get();
```

Dynamic function



```
function show()  
{  
    let a=0;  
    for (let value of  
arguments) a+=value;  
    return a;  
}  
  
let ans=show(1,2,3,4,5);  
console.log(ans);
```

THANK
YOU!



Ashutosh