

Async/Await Function in JavaScript

Async:

It simply allows us to write promises-based code as if it was synchronous and it checks that we are not breaking the execution thread. It operates asynchronously via the event loop. Async functions will always return a promise. It makes sure that a promise is returned and if it is not returned then JavaScript automatically wraps it in a promise which is resolved with its value.

Await:

Await function is used to wait for the promise. It could be used within the async block only. It makes the code wait until the promise returns a result. It only makes the async block wait.

```
let prom1=new Promise((resolve,reject)=>{
  setTimeout(( )=>{
    let pro="I promise you ill never leave you"
    resolve(pro)
  },3000)
})
```

```
let prom2=new Promise((resolve,reject)=>{
  setTimeout(( )=>{
    let pro="I will gift you iphone on your birthday"
    resolve(pro)
  },6000)
})
```

```
Async function getPromise( ){
  let pro1=await prom1;
  console.log(pro1);
  let pro2= await prom2;
  console.log(pro2)
}
```

```
getPromise( )
```