

## Callback

If a function is asynchronous function, and if we want to execute some portion of the code after completion of the asynchronous function, then use callback function.

But if lot of nesting is there in callback function then it is tedious to write the code, hence we use promise object.

## Promise Object

It is object which accepts 2 functions as parameter,

1. First function is called as resolve.
2. Second function is called as reject.

and it has 3 states.

1. Pending
2. Fulfilled with success.
3. Fulfilled with error.

Resolve function gets called when promise terminates successfully, if it terminates unsuccessfully then we use reject function gets called.

```
Var p1=new Promise((resolve,reject)=>{  
    //some logic  
    Var error=true;  
    If(error){  
        reject("this is error");  
    }else{  
        Resolve("hello");  
    }  
})  
P1  
.then((data)=>{}).then(()=>{}).then(()=>{})  
.catch((err)=>{  
})
```