

1. What are promises? What are the different states of a promise.
2. What are the 2 parameters inside the callback functions that the promise returns?
3. What are classes in javascript, explain using an example
4. What is the difference between asynchronous and synchronous?
5. How do we catch errors for promises?
6. How do you do inheritance in classes, give an example.
7. What will happen if you write a constructor in a class more than once ?
8. Try to convert from .then() => async await

OUTPUT QUESTIONS*****

```
1 ) What is the output of the following code
const promise = new Promise((resolve, reject) => {
  reject(Error('Some error occurred'));
})
promise.catch(error => console.log(error.message));
promise.catch(error => console.log(error.message));
```

```
2 ) const promise = new Promise((resolve, reject) => {
  reject(Error('Some Error Occurred'));
})
  .catch(error => console.log(error))
  .then(error => console.log(error));
```

```
3) async function func() {
  return 10;
}
console.log(func());
```

```
4) async function func() {
  await 10;
```

```
}  
console.log(func());  
  
5) function delay() {  
  return new Promise(resolve => setTimeout(resolve, 2000));  
}  
  
async function delayedLog(item) {  
  await delay();  
  console.log(item);  
}  
  
async function processArray(array) {  
  array.forEach(item => {  
    await delayedLog(item);  
  })  
}  
  
processArray([1, 2, 3, 4]);
```