1. **What is a promise in JavaScript?**
2. A callback function
3. An object representing a future value or completion of an async operation
4. A synchronous operation
5. None of the above

Ans: b) An object representing a future value or completion of an async operation

1. **Which method is used to handle a resolved promise?**
2. catch()
3. then()
4. finally()
5. reject()

Ans: b) then()

1. **What is the default state of a promise when created?**
2. Fulfilled
3. Rejected
4. Pending
5. Resolved

Ans: c) Pending

1. **Which method is used to handle a rejected promise?**
2. then()
3. reject()
4. catch()
5. resolve()

Ans: c) catch()

1. **What does Promise.resolve(value) do?**
2. Creates a promise that is immediately fulfilled with value
3. Creates a pending promise
4. Rejects a promise
5. None of the above

Ans: a) Creates a promise that is immediately fulfilled with value

1. **Which of the following is true for .then() in a promise?**
2. It must return a value or another promise
3. It is optional and only for rejected cases
4. It cannot chain another .then()
5. None of the above

Ans: a) It must return a value or another promise

1. **What happens when a promise is resolved?**
2. It remains in a pending state
3. It transitions to the fulfilled state and executes .then() handlers
4. It transitions to the rejected state
5. It stops execution

Ans: b) It transitions to the fulfilled state and executes .then() handlers

1. **What is printed in the console?** javascript Promise.resolve('Hello').then(res => console.log(res));
2. No output
3. Hello
4. Error
5. Undefined

Ans: b) Hello

1. **How many .then() handlers can a promise chain?**
2. Only one
3. Two
4. As many as needed
5. None

Ans: c) As many as needed

1. **What happens when you return a value from .then()?**
   1. It resolves to another promise
   2. It is passed to the next .then() handler
   3. It is ignored
   4. An error occurs

Ans: b) It is passed to the next .then() handler

1. **What is the output of the following code?**

* **const** promise = **new** Promise((resolve, reject) => {  
   resolve('First');  
  });  
  promise  
   .then(res => {  
   console.log(res);  
   **return** 'Second';  
   })  
   .then(res => console.log(res));
  1. First then Second
  2. Only First
  3. Only Second
  4. No output

Ans: a) First then Second

1. **What is printed in the console?**

* Promise.resolve('Start')  
   .then(res => {  
   console.log(res);  
   **throw** **new** Error('Something went wrong');  
   })  
   .catch(err => console.log(err.message));
  1. Start and Something went wrong
  2. Start only
  3. Something went wrong only
  4. Error

Ans: a) Start and Something went wrong

1. **What is logged in the following code?**

* **const** promise = **new** Promise((resolve, reject) => {  
   resolve('Hello');  
  });  
  promise  
   .then(res => {  
   console.log(res);  
   **return** **new** Promise((resolve, reject) => resolve('World'));  
   })  
   .then(res => console.log(res));
  1. Hello then World
  2. World then Hello
  3. Only Hello
  4. Only World

Ans: a) Hello World

1. **What happens if a .catch() is added at the end of a fulfilled promise chain?**
   1. The chain will break
   2. The .catch() will be ignored
   3. It will handle any error thrown in the chain
   4. It causes a syntax error

Ans: c) It will handle any error thrown in the chain

1. **What does this code output?**

* **const** promise = **new** Promise((resolve, reject) => {  
   resolve('Step 1');  
  });  
  promise  
   .then(res => {  
   console.log(res);  
   **return** 'Step 2';  
   })  
   .then(res => {  
   console.log(res);  
   **throw** **new** Error('Oops!');  
   })  
   .catch(err => console.log(err.message));
  1. Step 1, Step 2, Oops!
  2. Step 1 then Oops!
  3. Only Step 1
  4. Error

Ans: a) Step 1, Step 2, Oops!

1. **What will the following code output?**

* **const** promise = **new** Promise((resolve, reject) => {  
   resolve('First');  
  });  
  promise  
   .then(res => console.log(res))  
   .catch(err => console.log('Caught:', err));
  1. First
  2. Caught: Error
  3. Both First and Caught: Error
  4. No output

Ans: a) First

1. **What will be logged here?**

* Promise.reject('Error')  
   .then(res => console.log(res))  
   .catch(err => console.log(err))  
   .then(() => console.log('Completed'));
  1. Error then Completed
  2. Only Error
  3. Only Completed
  4. Error

Ans: a) Error then Completed

1. **What happens in this scenario?**

* **const** promise = Promise.resolve('Data');  
  promise.then(res => console.log(res));  
  console.log('End');
  1. Data then End
  2. End then Data
  3. No output
  4. Error

Ans: b) End then Data

1. **What will be the result of this code?**

* Promise.resolve('Start')  
   .then(res => {  
   console.log(res);  
   **return** 'Next';  
   })  
   .then(res => console.log(res))  
   .catch(err => console.log('Caught:', err));
  1. Start then Next
  2. Start then Caught: Error
  3. Only Start
  4. Error

Ans: a) Start then Next

1. **What does this produce?**

* **const** promise = Promise.reject('Failure');  
  promise.catch(err => {  
   console.log(err);  
   **return** 'Recovered';  
  }).then(res => console.log(res));
  1. Failure then Recovered
  2. Recovered
  3. Only Failure
  4. Error

Ans: a) Failure then Recovered

1. **What is logged here?**

* Promise.resolve()  
   .then(() => {  
   console.log('First');  
   **return** Promise.resolve();  
   })  
   .then(() => console.log('Second'));
  1. First then Second
  2. Only First
  3. Only Second
  4. Error

Ans: a) First then Second

1. **What will this code log?**

* **const** promise = **new** Promise((resolve, reject) => {  
   resolve('Done');  
  });  
  promise  
   .then(res => {  
   console.log(res);  
   **return** Promise.reject('Error in Chain');  
   })  
   .catch(err => console.log(err));
  1. Done then Error in Chain
  2. Only Done
  3. Only Error in Chain
  4. Error

Ans: a) Done then Error in Chain

1. **What happens here?**

* **const** promise = Promise.resolve('Resolved');  
  promise  
   .then(() => Promise.reject('Failed'))  
   .catch(err => console.log(err));
  1. Failed
  2. Error
  3. No output
  4. Resolved

Ans: a) Failed

1. **What is printed in the console?**

* Promise.resolve('A')  
   .then(res => {  
   console.log(res);  
   **return** 'B';  
   })  
   .then(res => console.log(res))  
   .catch(() => console.log('Error'));
  1. A then B
  2. A then Error
  3. Only A
  4. Error

Ans: a) A then B

1. **What is logged here?**

* **const** promise = Promise.resolve('Start');  
  promise.then(res => {  
   console.log(res);  
   **return** Promise.resolve('Middle');  
  }).then(res => console.log(res));
  1. Start then Middle
  2. Middle then Start
  3. Only Start
  4. Error

Ans: a) Start then Middle

1. **What does this code log?**

* Promise.resolve('Hello')  
   .then(() => {  
   console.log('World');  
   **throw** **new** Error('Oops');  
   })  
   .catch(err => console.log(err.message));
  1. World and Oops
  2. Only World
  3. Only Oops
  4. Error

Ans: a) World and Oops

1. **What is printed in the following code?**

* Promise.reject('Error')  
   .catch(err => {  
   console.log(err);  
   **throw** **new** Error('Another Error');  
   })  
   .catch(err => console.log(err.message));
  1. Error then Another Error
  2. Only Error
  3. Only Another Error
  4. Error

Ans: a) Error then Another Error

1. **What happens in this scenario?**

* **const** promise = **new** Promise((resolve, reject) => {  
   reject('Failed');  
  });  
  promise.catch(err => {  
   console.log(err);  
   **return** 'Recovered';  
  }).then(res => console.log(res));
  1. Failed then Recovered
  2. Only Failed
  3. Only Recovered
  4. Error

Ans: a) Failed then Recovered

1. **What does this produce?**

* **const** promise = Promise.resolve('Step 1');  
  promise  
   .then(res => {  
   console.log(res);  
   **return** **new** Promise((resolve, reject) => {  
   resolve('Step 2');  
   });  
   })  
   .then(res => console.log(res));
  1. Step 1 then Step 2
  2. Only Step 1
  3. Only Step 2
  4. Error

Ans: a) Step 1 then Step 2

1. **What will this code output?**

* **const** promise = **new** Promise((resolve, reject) => {  
   reject('Rejected');  
  });  
  promise  
   .catch(err => {  
   console.log(err);  
   **return** 'Recovered';  
   })  
   .then(res => console.log(res));
  1. Rejected then Recovered
  2. Only Rejected
  3. Only Recovered
  4. Error

Ans: a) Rejected then Recovered