

Time left 0:14:40

Question 1

Not yet answered

Marked out of 1.00

What will be the output of the following code?

```
console.log('start');

setTimeout(() => console.log('timeout 1'), 0);

Promise.resolve().then(() => {
  console.log('promise 1');
  setTimeout(() => console.log('timeout 2'), 0);
});

queueMicrotask(() => console.log('microtask'));

console.log('end');
```

Select one:

- ☐ a. start microtask end promise 1 timeout 1 timeout 2
- ☐ b. start end promise 1 microtask timeout 1 timeout 2
- ☐ c. start end microtask promise 1 timeout 1 timeout 2
- ☐ d. start end timeout 1 promise 1 timeout 2 microtask

Question 2

Not yet answered

Marked out of 1.00

What is logged to the console?

```
function counter() {
  let count = 0;
  return {
    inc: () => ++count,
    dec: () => --count
  };
}

const a = counter();
const b = counter();

a.inc(); a.inc();
b.inc();

console.log(a.dec(), b.dec());
```

Select one:

- ☐ a. 1 0
- ☐ b. 2 1
- ☐ c. 2 0
- ☐ d. 1 1

Question 3

Not yet answered

Marked out of 1.00

What will be printed?

```
function A() {}  
A.prototype.value = 1;  
  
const a1 = new A();  
A.prototype = { value: 2 };  
  
const a2 = new A();  
  
console.log(a1.value, a2.value);
```

Select one:

- ☐ a. 1 1
- ☐ b. 2 2
- ☐ c. 1 2
- ☐ d. undefined 2

Question 4

Not yet answered

Marked out of 1.00

What will the following code print?

```
let obj = {  
  valueOf() {  
    return {};  
  },  
  toString() {  
    return "5";  
  }  
};  
  
console.log(obj == 5);  
console.log(obj === 5);
```

Select one:

- ☐ a. true true
- ☐ b. false false
- ☐ c. true false
- ☐ d. false true

Question 5

Not yet answered

Marked out of 1.00

What is the output of this code?

```
async function* gen() {  
  yield await Promise.resolve(1);  
  yield 2;  
}  
  
(async () => {  
  for await (const val of gen()) {  
    console.log(val);  
  }  
})();
```

Select one:

- ☐ a. 1 2
- ☐ b. 1 undefined
- ☐ c. Promise { 1 } 2
- ☐ d. undefined 2