



JavaScript Questions

I post multiple choice JavaScript questions on my Instagram stories, which I'll also post here! Last updated: June 12th

From basic to advanced: test how well you know JavaScript, refresh your knowledge a bit, or prepare for your coding interview! I update this repo regularly with new questions. I added the answers in the **collapsed sections** below the questions, simply click on them to expand it. It's just for fun, good luck!

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Feel free to use them in a project! U I would *really* appreciate a reference to this repo, I create the questions and explanations (yes I'm sad IoI) and the community helps me so much to maintain and improve it! Thank you and have fun!

► See 18 Available Translations SAEGBADEESFRIDJPKRNLBRRUTHTRUAVNCNTW

1. What's the output?

```
function sayHi() {
  console.log(name);
  console.log(age);
  var name = 'Lydia';
  let age = 21;
}
```

- A: Lydia and undefined
- B: Lydia and ReferenceError
- C: ReferenceError and 21
- D: undefined and ReferenceError

Answer

2. What's the output?

```
for (let i = 0; i < 3; i++) {
   setTimeout(() => console.log(i), 1);
}
```

- A: 0 1 2 and 0 1 2
- B: 0 1 2 and 3 3 3
- C: 3 3 3 and 0 1 2

▼ Answer

Answer: C

Because of the event queue in JavaScript, the setTimeout callback function is called after the loop has been executed. Since the variable i in the first loop was declared using the var keyword, this value was global. During the loop, we incremented the value of i by 1 each time, using the unary operator ++ . By the time the setTimeout callback function was invoked, i was equal to 3 in the first example.

In the second loop, the variable i was declared using the let keyword: variables declared with the let (and const) keyword are block-scoped (a block is anything between { }). During each iteration, i will have a new value, and each value is scoped inside the loop.

3. What's the output?

```
const shape = {
  radius: 10,
  diameter() {
    return this.radius * 2;
  },
  perimeter: () => 2 * Math.PI * this.radius,
};

console.log(shape.diameter());
console.log(shape.perimeter());
```

- A: 20 and 62.83185307179586
- B: 20 and NaN
- C: 20 and 63
- D: NaN and 63

Answer

4. What's the output?

```
+true;
!'Lydia';
```

- A: 1 and false
- B: false and NaN
- C: false and false

Answer

5. Which one is true?

```
const bird = {
   size: 'small',
};
```

```
const mouse = {
  name: 'Mickey',
  small: true,
};
```

- A: mouse.bird.size is not valid
- B: mouse[bird.size] is not valid
- C: mouse[bird["size"]] is not valid
- D: All of them are valid

▶ Answer

6. What's the output?

```
let c = { greeting: 'Hey!' };
let d;

d = c;
c.greeting = 'Hello';
console.log(d.greeting);
```

- A: Hello
- B: Hey!
- C: undefined
- D: ReferenceError
- E: TypeError

Answer

```
let a = 3;
let b = new Number(3);
let c = 3;

console.log(a == b);
console.log(a == b);
console.log(b === c);
```

- A: true false true
- B: false false true

- C: true false false
- D: false true true

▶ Answer

8. What's the output?

```
class Chameleon {
  static colorChange(newColor) {
    this.newColor = newColor;
    return this.newColor;
  }

  constructor({ newColor = 'green' } = {}) {
    this.newColor = newColor;
  }
}

const freddie = new Chameleon({ newColor: 'purple' });

console.log(freddie.colorChange('orange'));
```

- A: orange
- B: purple
- C: green
- D: TypeError

▶ Answer

9. What's the output?

```
let greeting;
greetign = {}; // Typo!
console.log(greetign);
```

- A: {}
- B: ReferenceError: greetign is not defined
- C: undefined

Answer

10. What happens when we do this?

```
function bark() {
  console.log('Woof!');
}
bark.animal = 'dog';
```

- A: Nothing, this is totally fine!
- B: SyntaxError . You cannot add properties to a function this way.
- C: "Woof" gets logged.
- D: ReferenceError

Answer

11. What's the output?

```
function Person(firstName, lastName) {
  this.firstName = firstName;
  this.lastName = lastName;
}

const member = new Person('Lydia', 'Hallie');
Person.getFullName = function() {
  return `${this.firstName} ${this.lastName}`;
};

console.log(member.getFullName());
```

- A: TypeError
- B: SyntaxError
- C: Lydia Hallie
- D: undefined undefined

Answer

```
function Person(firstName, lastName) {
  this.firstName = firstName;
  this.lastName = lastName;
}

const lydia = new Person('Lydia', 'Hallie');
const sarah = Person('Sarah', 'Smith');
```

```
console.log(lydia);
console.log(sarah);

• A: Person {firstName: "Lydia", lastName: "Hallie"} and undefined

• B: Person {firstName: "Lydia", lastName: "Hallie"} and Person {firstName: "Sarah", lastName: "Smith"}

• C: Person {firstName: "Lydia", lastName: "Hallie"} and {}
```

• D: Person {firstName: "Lydia", lastName: "Hallie"} and ReferenceError

Answer

13. What are the three phases of event propagation?

- A: Target > Capturing > Bubbling
- B: Bubbling > Target > Capturing
- C: Target > Bubbling > Capturing
- D: Capturing > Target > Bubbling

▶ Answer

14. All object have prototypes.

- A: true
- B: false

▶ Answer

```
function sum(a, b) {
  return a + b;
}
sum(1, '2');
```

- A: NaN
- B: TypeError
- C: "12"
- D: 3

```
16. What's the output?
  let number = 0;
  console.log(number++);
  console.log(++number);
  console.log(number);
 • A: 1 1 2
 • B: 1 2 2
 • C: 0 2 2
 • D: 0 1 2
▶ Answer
17. What's the output?
  function getPersonInfo(one, two, three) {
    console.log(one);
    console.log(two);
    console.log(three);
  }
  const person = 'Lydia';
  const age = 21;
  getPersonInfo`${person} is ${age} years old`;
 • A: "Lydia" 21 ["", " is ", " years old"]
 • B: ["", " is ", " years old"] "Lydia" 21
 • C: "Lydia" ["", " is ", " years old"] 21
▶ Answer
18. What's the output?
  function checkAge(data) {
    if (data === { age: 18 }) {
      console.log('You are an adult!');
    } else if (data == { age: 18 }) {
```

console.log('You are still an adult.');

```
} else {
      console.log(`Hmm.. You don't have an age I guess`);
    }
  }
  checkAge({ age: 18 });
  • A: You are an adult!
  • B: You are still an adult.
  • C: Hmm.. You don't have an age I guess
► Answer
19. What's the output?
  function getAge(...args) {
    console.log(typeof args);
  }
  getAge(21);
  • A: "number"
  • B: "array"
  • C: "object"
  • D: "NaN"
```

Answer

```
function getAge() {
  'use strict';
  age = 21;
  console.log(age);
}
getAge();
```

- A: 21
- B: undefined
- C: ReferenceError
- D: TypeError

21. What's the value of sum?

```
const sum = eval('10*10+5');
```

- A: 105
- B: "105"
- C: TypeError
- D: "10*10+5"

► Answer

22. How long is cool_secret accessible?

```
sessionStorage.setItem('cool_secret', 123);
```

- A: Forever, the data doesn't get lost.
- B: When the user closes the tab.
- C: When the user closes the entire browser, not only the tab.
- D: When the user shuts off their computer.

► Answer

23. What's the output?

```
var num = 8;
var num = 10;
console.log(num);
```

- A: 8
- B: 10
- C: SyntaxError
- D: ReferenceError

► Answer

24. What's the output?

```
const obj = { 1: 'a', 2: 'b', 3: 'c' };
const set = new Set([1, 2, 3, 4, 5]);

obj.hasOwnProperty('1');
obj.hasOwnProperty(1);
set.has('1');
set.has(1);
```

- A: false true false true
- B: false true true true
- C: true true false true
- D: true true true

► Answer

25. What's the output?

```
const obj = { a: 'one', b: 'two', a: 'three' };
console.log(obj);

• A: { a: "one", b: "two" }

• B: { b: "two", a: "three" }

• C: { a: "three", b: "two" }

• D: SyntaxError
```

▶ Answer

26. The JavaScript global execution context creates two things for you: the global object, and the "this" keyword.

- A: true
- B: false
- C: it depends

Answer

```
for (let i = 1; i < 5; i++) {
   if (i === 3) continue;
    console.log(i);
  }
 • A: 1 2
 • B: 1 2 3
 • C: 1 2 4
 • D: 1 3 4
▶ Answer
28. What's the output?
  String.prototype.giveLydiaPizza = () => {
    return 'Just give Lydia pizza already!';
  };
  const name = 'Lydia';
  name.giveLydiaPizza();
 • A: "Just give Lydia pizza already!"
 • B: TypeError: not a function
 • C: SyntaxError
 • D: undefined
Answer
29. What's the output?
  const a = {};
  const b = { key: 'b' };
  const c = { key: 'c' };
  a[b] = 123;
  a[c] = 456;
  console.log(a[b]);
```

- A: 123
- B: 456

- C: undefined
- D: ReferenceError

30. What's the output?

```
const foo = () => console.log('First');
const bar = () => setTimeout(() => console.log('Second'));
const baz = () => console.log('Third');

bar();
foo();
baz();

• A: First Second Third
• B: First Third Second
```

▶ Answer

31. What is the event.target when clicking the button?

• C: Second First Third

• D: Second Third First

- A: Outer div
- B: Inner div
- C: button
- D: An array of all nested elements.

Answer

32. When you click the paragraph, what's the logged output?

```
<div onclick="console.log('div')">
    Click here!
    </div>
 • A: p div
 • B: div p
 • C: p
 • D: div
Answer
33. What's the output?
  const person = { name: 'Lydia' };
  function sayHi(age) {
    return `${this.name} is ${age}`;
  }
  console.log(sayHi.call(person, 21));
  console.log(sayHi.bind(person, 21));
 • A: undefined is 21 Lydia is 21
 • B: function function
 • C: Lydia is 21 Lydia is 21
 • D: Lydia is 21 function
▶ Answer
34. What's the output?
  function sayHi() {
    return (() => 0)();
  }
  console.log(typeof sayHi());
 • A: "object"
 • B: "number"
```

• C: "function"

• D: "undefined"

Answer

35. Which of these values are falsy?

```
0;
new Number(0);
('');
('');
new Boolean(false);
undefined;
```

- A: 0, '', undefined
- B: 0, new Number(0), '', new Boolean(false), undefined
- C: 0, '', new Boolean(false), undefined
- D: All of them are falsy

▶ Answer

36. What's the output?

```
console.log(typeof typeof 1);
```

- A: "number"
- B: "string"
- C: "object"
- D: "undefined"

► Answer

```
const numbers = [1, 2, 3];
numbers[10] = 11;
console.log(numbers);
```

- A: [1, 2, 3, 7 x null, 11]
- B: [1, 2, 3, 11]
- C: [1, 2, 3, 7 x empty, 11]

• D: SyntaxError

▼ Answer

Answer: C

When you set a value to an element in an array that exceeds the length of the array, JavaScript creates something called "empty slots". These actually have the value of undefined, but you will see something like:

```
[1, 2, 3, 7 x empty, 11]
```

depending on where you run it (it's different for every browser, node, etc.)

38. What's the output?

```
(() => {
  let x, y;
  try {
    throw new Error();
  } catch (x) {
    (x = 1), (y = 2);
    console.log(x);
  }
  console.log(y);
})();
```

- A: 1 undefined 2
- B: undefined undefined undefined
- C: 1 1 2
- D: 1 undefined undefined

Answer

39. Everything in JavaScript is either a...

- A: primitive or object
- B: function or object
- C: trick question! only objects
- D: number or object

40. What's the output?

```
[[0, 1], [2, 3]].reduce(
  (acc, cur) => {
    return acc.concat(cur);
  },
  [1, 2],
);
```

- A: [0, 1, 2, 3, 1, 2]
- B: [6, 1, 2]
- C: [1, 2, 0, 1, 2, 3]
- D: [1, 2, 6]

Answer

41. What's the output?

```
!!null;
!!'';
!!1;
```

- A: false true false
- B: false false true
- C: false true true
- D: true true false

▶ Answer

42. What does the setInterval method return in the browser?

```
setInterval(() => console.log('Hi'), 1000);
```

- A: a unique id
- B: the amount of milliseconds specified
- C: the passed function
- D: undefined

▶ Answer

43. What does this return?

```
[...'Lydia'];

• A: ["L", "y", "d", "i", "a"]

• B: ["Lydia"]

• C: [[], "Lydia"]

• D: [["L", "y", "d", "i", "a"]]
```

▶ Answer

44. What's the output?

```
function* generator(i) {
  yield i;
  yield i * 2;
}

const gen = generator(10);

console.log(gen.next().value);
console.log(gen.next().value);
```

- A: [0, 10], [10, 20]
- B: 20, 20
- C: 10, 20
- D: 0, 10 and 10, 20

Answer

45. What does this return?

```
const firstPromise = new Promise((res, rej) => {
   setTimeout(res, 500, 'one');
});

const secondPromise = new Promise((res, rej) => {
   setTimeout(res, 100, 'two');
});

Promise.race([firstPromise, secondPromise]).then(res => console.log(res));
```

• A: "one"

```
• B: "two"
  • C: "two" "one"
  • D: "one" "two"
▶ Answer
46. What's the output?
  let person = { name: 'Lydia' };
  const members = [person];
  person = null;
  console.log(members);
  • A: null
  • B: [null]
  • C: [{}]
  • D: [{ name: "Lydia" }]
Answer
47. What's the output?
  const person = {
    name: 'Lydia',
    age: 21,
  };
  for (const item in person) {
    console.log(item);
  }
  • A: { name: "Lydia" }, { age: 21 }
  • B: "name", "age"
  • C: "Lydia", 21
  • D: ["name", "Lydia"], ["age", 21]
```

Answer

```
console.log(3 + 4 + '5');
 • A: "345"
 • B: "75"
 • C: 12
 • D: "12"
▶ Answer
49. What's the value of num?
  const num = parseInt('7*6', 10);
 • A: 42
 • B: "42"
 • C: 7
 • D: NaN
▶ Answer
50. What's the output?
  [1, 2, 3].map(num => {
    if (typeof num === 'number') return;
    return num * 2;
  });
 • A: []
 • B: [null, null, null]
 • C: [undefined, undefined]
 • D: [ 3 x empty ]
▶ Answer
51. What's the output?
  function getInfo(member, year) {
    member.name = 'Lydia';
    year = '1998';
```

```
const person = { name: 'Sarah' };
  const birthYear = '1997';
  getInfo(person, birthYear);
  console.log(person, birthYear);
 • A: { name: "Lydia" }, "1997"
 • B: { name: "Sarah" }, "1998"
 • C: { name: "Lydia" }, "1998"
 • D: { name: "Sarah" }, "1997"
Answer
52. What's the output?
  function greeting() {
   throw 'Hello world!';
  function sayHi() {
   try {
     const data = greeting();
     console.log('It worked!', data);
    } catch (e) {
      console.log('Oh no an error:', e);
    }
  }
  sayHi();
 • A: It worked! Hello world!
 • B: Oh no an error: undefined
 • C: SyntaxError: can only throw Error objects
 • D: Oh no an error: Hello world!
Answer
53. What's the output?
  function Car() {
    this.make = 'Lamborghini';
```

```
return { make: 'Maserati' };
  }
  const myCar = new Car();
  console.log(myCar.make);
 • A: "Lamborghini"
 • B: "Maserati"
 • C: ReferenceError
 • D: TypeError
Answer
54. What's the output?
  (() => {
   let x = (y = 10);
  })();
  console.log(typeof x);
  console.log(typeof y);
 • A: "undefined", "number"
 • B: "number", "number"
 • C: "object", "number"
 • D: "number", "undefined"
Answer
55. What's the output?
  class Dog {
    constructor(name) {
      this.name = name;
    }
  }
  Dog.prototype.bark = function() {
    console.log(`Woof I am ${this.name}`);
  };
  const pet = new Dog('Mara');
  pet.bark();
```

```
delete Dog.prototype.bark;
  pet.bark();
 • A: "Woof I am Mara", TypeError
 • B: "Woof I am Mara", "Woof I am Mara"
 • C: "Woof I am Mara", undefined
 • D: TypeError, TypeError
Answer
56. What's the output?
  const set = new Set([1, 1, 2, 3, 4]);
  console.log(set);
 • A: [1, 1, 2, 3, 4]
 • B: [1, 2, 3, 4]
 • C: {1, 1, 2, 3, 4}
 • D: {1, 2, 3, 4}
▶ Answer
57. What's the output?
  // counter.js
  let counter = 10;
  export default counter;
  // index.js
  import myCounter from './counter';
  myCounter += 1;
  console.log(myCounter);
 • A: 10
  • B: 11
 • C: Error
```

• D: NaN

Answer

58. What's the output?

```
const name = 'Lydia';
age = 21;

console.log(delete name);
console.log(delete age);
```

- A: false, true
- B: "Lydia", 21
- C: true, true
- D: undefined, undefined

► Answer

59. What's the output?

```
const numbers = [1, 2, 3, 4, 5];
const [y] = numbers;
console.log(y);
```

- A: [[1, 2, 3, 4, 5]]
- B: [1, 2, 3, 4, 5]
- C: 1
- D: [1]

▶ Answer

60. What's the output?

```
const user = { name: 'Lydia', age: 21 };
const admin = { admin: true, ...user };
console.log(admin);
```

• A: { admin: true, user: { name: "Lydia", age: 21 } }

```
B: { admin: true, name: "Lydia", age: 21 }
C: { admin: true, user: ["Lydia", 21] }
D: { admin: true }

Answer
```

61. What's the output?

```
const person = { name: 'Lydia' };

Object.defineProperty(person, 'age', { value: 21 });

console.log(person);
console.log(Object.keys(person));

• A: { name: "Lydia", age: 21 }, ["name", "age"]

• B: { name: "Lydia", age: 21 }, ["name"]

• C: { name: "Lydia"}, ["name", "age"]

• D: { name: "Lydia"}, ["age"]
```

Answer

62. What's the output?

```
const settings = {
  username: 'lydiahallie',
  level: 19,
  health: 90,
};

const data = JSON.stringify(settings, ['level', 'health']);
console.log(data);

• A: "{"level":19, "health":90}"

• B: "{"username": "lydiahallie"}"

• C: "["level", "health"]"

• D: "{"username": "lydiahallie", "level":19, "health":90}"
```

► Answer

```
let num = 10;
  const increaseNumber = () => num++;
  const increasePassedNumber = number => number++;
  const num1 = increaseNumber();
  const num2 = increasePassedNumber(num1);
  console.log(num1);
  console.log(num2);
 • A: 10, 10
 • B: 10, 11
 • C: 11, 11
 • D: 11, 12
Answer
64. What's the output?
  const value = { number: 10 };
  const multiply = (x = { ...value }) => {
    console.log((x.number *= 2));
  };
  multiply();
  multiply();
  multiply(value);
  multiply(value);
 • A: 20, 40, 80, 160
 • B: 20, 40, 20, 40
 • C: 20, 20, 20, 40
 • D: NaN , NaN , 20 , 40
Answer
65. What's the output?
  [1, 2, 3, 4].reduce((x, y) \Rightarrow console.log(x, y));
```

- A: 1 2 and 3 3 and 6 4
- B: 1 2 and 2 3 and 3 4
- C: 1 undefined and 2 undefined and 3 undefined and 4 undefined
- D: 1 2 and undefined 3 and undefined 4

▶ Answer

66. With which constructor can we successfully extend the Dog class?

```
class Dog {
  constructor(name) {
    this.name = name;
 }
};
class Labrador extends Dog {
 // 1
  constructor(name, size) {
    this.size = size;
  }
  // 2
  constructor(name, size) {
    super(name);
    this.size = size;
  }
  // 3
  constructor(size) {
    super(name);
    this.size = size;
  }
  // 4
  constructor(name, size) {
    this.name = name;
    this.size = size;
  }
};
```

- A: 1
- B: 2
- C: 3
- D: 4

```
67. What's the output?
```

```
// index.js
console.log('running index.js');
import { sum } from './sum.js';
console.log(sum(1, 2));

// sum.js
console.log('running sum.js');
export const sum = (a, b) => a + b;
```

- A: running index.js, running sum.js, 3
- B: running sum.js, running index.js, 3
- C: running sum.js, 3, running index.js
- D: running index.js, undefined, running sum.js

Answer

68. What's the output?

```
console.log(Number(2) === Number(2));
console.log(Boolean(false) === Boolean(false));
console.log(Symbol('foo') === Symbol('foo'));
```

- A: true, true, false
- B: false, true, false
- C: true, false, true
- D: true, true, true

Answer

```
const name = 'Lydia Hallie';
console.log(name.padStart(13));
console.log(name.padStart(2));
```

- A: "Lydia Hallie", "Lydia Hallie"
- B: "Lydia Hallie", "Lydia Hallie" ("[13x whitespace]Lydia Hallie", "[2x whitespace]Lydia Hallie")

- C: "Lydia Hallie", "Lydia Hallie" ("[1x whitespace]Lydia Hallie", "Lydia Hallie")
- D: "Lydia Hallie", "Lyd",

Answer

70. What's the output?

```
console.log('\'\' + '\'\');
```

- A: "\\ \bullet = \bullet"
- B: 257548
- C: A string containing their code points
- D: Error

Answer

71. How can we log the values that are commented out after the console.log statement?

```
function* startGame() {
  const answer = yield 'Do you love JavaScript?';
  if (answer !== 'Yes') {
    return "Oh wow... Guess we're gone here";
  }
  return 'JavaScript loves you back \(\psi';
}

const game = startGame();
console.log(/* 1 */); // Do you love JavaScript?
console.log(/* 2 */); // JavaScript loves you back \(\psi')
```

- A: game.next("Yes").value and game.next().value
- B: game.next.value("Yes") and game.next.value()
- C: game.next().value and game.next("Yes").value
- D: game.next.value() and game.next.value("Yes")

▶ Answer

```
console.log(String.raw`Hello\nworld`);
```

```
• A: Hello world!
```

- B: Hello world
- C: Hello\nworld
- D: Hello\n world

▶ Answer

73. What's the output?

```
async function getData() {
  return await Promise.resolve('I made it!');
const data = getData();
console.log(data);
• A: "I made it!"
```

- B: Promise {<resolved>: "I made it!"}
- C: Promise {<pending>}
- D: undefined

Answer

74. What's the output?

```
function addToList(item, list) {
  return list.push(item);
}
const result = addToList('apple', ['banana']);
console.log(result);
```

- A: ['apple', 'banana']
- B: 2
- C: true
- D: undefined

75. What's the output?

```
const box = { x: 10, y: 20 };
  Object.freeze(box);
  const shape = box;
  shape.x = 100;
  console.log(shape);
 • A: { x: 100, y: 20 }
 • B: { x: 10, y: 20 }
 • C: { x: 100 }
 • D: ReferenceError
► Answer
```

76. What's the output?

```
const { name: myName } = { name: 'Lydia' };
console.log(name);
```

- A: "Lydia"
- B: "myName"
- C: undefined
- D: ReferenceError

▶ Answer

77. Is this a pure function?

```
function sum(a, b) {
  return a + b;
```

- A: Yes
- B: No

78. What is the output?

```
const add = () => {
 const cache = {};
  return num => {
   if (num in cache) {
      return `From cache! ${cache[num]}`;
   } else {
      const result = num + 10;
      cache[num] = result;
     return `Calculated! ${result}`;
   }
 };
};
const addFunction = add();
console.log(addFunction(10));
console.log(addFunction(10));
console.log(addFunction(5 * 2));
```

- A: Calculated! 20 Calculated! 20 Calculated! 20
- B: Calculated! 20 From cache! 20 Calculated! 20
- C: Calculated! 20 From cache! 20 From cache! 20
- D: Calculated! 20 From cache! 20 Error

Answer

79. What is the output?

```
const myLifeSummedUp = ['\bigotimes', '\bigotimes', '\bigotimes', '\bigotimes', '\bigotimes'];
for (let item in myLifeSummedUp) {
  console.log(item);
}
for (let item of myLifeSummedUp) {
  console.log(item);
}
• A: 0 1 2 3 and "💍" "💻" "🖣"
• B: "♨" "" "❣️" "∎" "❣️" "▮" and "♨" "" "❣️" "▮"
• C: "🔊" "💻" "📲" and 0 1 2 3
• D: 0 1 2 3 and {0: "💍", 1: "💻", 2: "📲", 3: "🖥"}
```

```
80. What is the output?
```

```
const list = [1 + 2, 1 * 2, 1 / 2];
console.log(list);

• A: ["1 + 2", "1 * 2", "1 / 2"]

• B: ["12", 2, 0.5]

• C: [3, 2, 0.5]

• D: [1, 1, 1]
```

81. What is the output?

```
function sayHi(name) {
  return `Hi there, ${name}`;
}
console.log(sayHi());
```

- A: Hi there,
- B: Hi there, undefined
- C: Hi there, null
- D: ReferenceError

► Answer

```
var status = '''';

setTimeout(() => {
   const status = '''';

   const data = {
      status: ''''',
      getStatus() {
        return this.status;
      },
    };

   console.log(data.getStatus());
```

```
console.log(data.getStatus.call(this));
 }, 0);
 • B: "" and """
 • C: "😃" and "😇"
 • D: "" and ""
Answer
83. What is the output?
 const person = {
   name: 'Lydia',
   age: 21,
 };
 let city = person.city;
  city = 'Amsterdam';
 console.log(person);
 • A: { name: "Lydia", age: 21 }
 • B: { name: "Lydia", age: 21, city: "Amsterdam" }
 • C: { name: "Lydia", age: 21, city: undefined }
 • D: "Amsterdam"
Answer
84. What is the output?
 function checkAge(age) {
   if (age < 18) {
     const message = "Sorry, you're too young.";
     const message = "Yay! You're old enough!";
   }
   return message;
  }
  console.log(checkAge(21));
```

- A: "Sorry, you're too young."
- B: "Yay! You're old enough!"
- C: ReferenceError
- D: undefined

85. What kind of information would get logged?

```
fetch('https://www.website.com/api/user/1')
   .then(res => res.json())
   .then(res => console.log(res));
```

- A: The result of the fetch method.
- B: The result of the second invocation of the fetch method.
- C: The result of the callback in the previous .then().
- D: It would always be undefined.

Answer

86. Which option is a way to set hasName equal to true, provided you cannot pass true as an argument?

```
function getName(name) {
  const hasName = //
}
```

- A: !!name
- B: name
- C: new Boolean(name)
- D: name.length

Answer

87. What's the output?

```
console.log('I want pizza'[0]);
```

• A: """

- B: "I"
- C: SyntaxError
- D: undefined

88. What's the output?

```
function sum(num1, num2 = num1) {
  console.log(num1 + num2);
}
sum(10);
```

- A: NaN
- B: 20
- C: ReferenceError
- D: undefined

Answer

89. What's the output?

```
// module.js
export default () => 'Hello world';
export const name = 'Lydia';

// index.js
import * as data from './module';

console.log(data);

• A: { default: function default(), name: "Lydia" }

• B: { default: function default() }

• C: { default: "Hello world", name: "Lydia" }

• D: Global object of module.js
```

Answer

```
class Person {
    constructor(name) {
      this.name = name;
    }
  }
  const member = new Person('John');
  console.log(typeof member);
 • A: "class"
 • B: "function"
 • C: "object"
 • D: "string"
Answer
91. What's the output?
  let newList = [1, 2, 3].push(4);
  console.log(newList.push(5));
 • A: [1, 2, 3, 4, 5]
 • B: [1, 2, 3, 5]
 • C: [1, 2, 3, 4]
 • D: Error
Answer
92. What's the output?
  function giveLydiaPizza() {
    return 'Here is pizza!';
  const giveLydiaChocolate = () =>
    "Here's chocolate... now go hit the gym already.";
  console.log(giveLydiaPizza.prototype);
  console.log(giveLydiaChocolate.prototype);
 • A: { constructor: ...} { constructor: ...}
```

```
B: {} { constructor: ...}C: { constructor: ...} {}D: { constructor: ...} undefined
```

93. What's the output?

```
const person = {
  name: 'Lydia',
  age: 21,
};

for (const [x, y] of Object.entries(person)) {
  console.log(x, y);
}
```

- A: name Lydia and age 21
- B: ["name", "Lydia"] and ["age", 21]
- C: ["name", "age"] and undefined
- D: Error

► Answer

94. What's the output?

```
function getItems(fruitList, ...args, favoriteFruit) {
  return [...fruitList, ...args, favoriteFruit]
}

getItems(["banana", "apple"], "pear", "orange")

• A: ["banana", "apple", "pear", "orange"]

• B: [["banana", "apple"], "pear", "orange"]

• C: ["banana", "apple", ["pear"], "orange"]
```

Answer

95. What's the output?

• D: SyntaxError

```
function nums(a, b) {
    if (a > b) console.log('a is bigger');
   else console.log('b is bigger');
   return
   a + b;
  console.log(nums(4, 2));
  console.log(nums(1, 2));
 • A: a is bigger, 6 and b is bigger, 3
 • B: a is bigger, undefined and b is bigger, undefined
 • C: undefined and undefined
 • D: SyntaxError
Answer
```

```
96. What's the output?
```

```
class Person {
  constructor() {
    this.name = 'Lydia';
 }
}
Person = class AnotherPerson {
 constructor() {
    this.name = 'Sarah';
 }
};
const member = new Person();
console.log(member.name);
```

- A: "Lydia"
- B: "Sarah"
- C: Error: cannot redeclare Person
- D: SyntaxError

```
const info = {
    [Symbol('a')]: 'b',
  };
  console.log(info);
  console.log(Object.keys(info));
 • A: {Symbol('a'): 'b'} and ["{Symbol('a')"]
 • B: {} and []
 • C: { a: "b" } and ["a"]
 • D: {Symbol('a'): 'b'} and []
Answer
98. What's the output?
  const getList = ([x, ...y]) \Rightarrow [x, y]
  const getUser = user => { name: user.name, age: user.age }
  const list = [1, 2, 3, 4]
  const user = { name: "Lydia", age: 21 }
  console.log(getList(list))
  console.log(getUser(user))
 • A: [1, [2, 3, 4]] and SyntaxError
 • B: [1, [2, 3, 4]] and { name: "Lydia", age: 21 }
 • C: [1, 2, 3, 4] and { name: "Lydia", age: 21 }
 • D: Error and { name: "Lydia", age: 21 }
Answer
99. What's the output?
  const name = 'Lydia';
```

```
console.log(name());
```

- A: SyntaxError
- B: ReferenceError
- C: TypeError

• D: undefined

Answer

100. What's the value of output?

```
//  This is my 100th question!  
Const output = `${[] && 'Im'}possible!
You should${'' && `n't`} see a therapist after so much JavaScript lol`;
```

- A: possible! You should see a therapist after so much JavaScript lol
- B: Impossible! You should see a therapist after so much JavaScript lol
- C: possible! You shouldn't see a therapist after so much JavaScript lol
- D: Impossible! You shouldn't see a therapist after so much JavaScript lol

Answer

101. What's the value of output?

```
const one = false || {} || null;
const two = null || false || '';
const three = [] || 0 || true;

console.log(one, two, three);
```

- A: false null []
- B: null "" true
- C: {} "" []
- D: null null true

▶ Answer

102. What's the value of output?

```
const myPromise = () => Promise.resolve('I have resolved!');
function firstFunction() {
  myPromise().then(res => console.log(res));
  console.log('second');
}
```

```
async function secondFunction() {
    console.log(await myPromise());
    console.log('second');
  firstFunction();
  secondFunction();
 • A: I have resolved!, second and I have resolved!, second
 • B: second, I have resolved! and second, I have resolved!
 • C: I have resolved!, second and second, I have resolved!
 • D: second, I have resolved! and I have resolved!, second
Answer
103. What's the value of output?
  const set = new Set();
  set.add(1);
  set.add('Lydia');
  set.add({ name: 'Lydia' });
  for (let item of set) {
    console.log(item + 2);
  }
 • A: 3, NaN, NaN
 • B: 3, 7, NaN
 • C: 3, Lydia2, [object Object]2
 • D: "12", Lydia2, [object Object]2
Answer
104. What's its value?
```

```
Promise.resolve(5);
• A: 5
• B: Promise {<pending>: 5}
```

- C: Promise {<fulfilled>: 5}
- D: Error

```
function compareMembers(person1, person2 = person) {
   if (person1 !== person2) {
      console.log('Not the same!');
   } else {
      console.log('They are the same!');
   }
}

const person = { name: 'Lydia' };

compareMembers(person);

A: Not the same!

B: They are the same!

C: ReferenceError

D: SyntaxError
```

► Answer

106. What's its value?

```
const colorConfig = {
  red: true,
  blue: false,
  green: true,
  black: true,
  yellow: false,
};
```

const colors = ['pink', 'red', 'blue'];

console.log(colorConfig.colors[1]);

```
• A: true
```

- B: false
- C: undefined
- D: TypeError

107. What's its value?

```
console.log('\heartsuit' === '\heartsuit');
```

- A: true
- B: false

▶ Answer

108. Which of these methods modifies the original array?

```
const emojis = ['\', '\', '\', '\'];
emojis.map(x => x + '\',');
emojis.filter(x => x !== '\',');
emojis.find(x => x !== '\',');
emojis.reduce((acc, cur) => acc + '\',');
emojis.slice(1, 2, '\',');
emojis.splice(1, 2, '\',');
```

- A: All of them
- B: map reduce slice splice
- C: map slice splice
- D: splice

▶ Answer

```
const food = ['p', 'p', 'p', 'p'];
const info = { favoriteFood: food[0] };
info.favoriteFood = 'p';
console.log(food);

A: ['p', 'p', 'p', 'p']
```

- B: ['∰', 'ਊ', '७', '⊖']
- C: ['', '▷', '冒', '७', '⊖']
- D: ReferenceError

110. What does this method do?

```
JSON.parse();
```

- A: Parses JSON to a JavaScript value
- B: Parses a JavaScript object to JSON
- C: Parses any JavaScript value to JSON
- D: Parses JSON to a JavaScript object only

Answer

111. What's the output?

```
let name = 'Lydia';
function getName() {
  console.log(name);
  let name = 'Sarah';
}
getName();
```

- A: Lydia
- B: Sarah
- C: undefined
- D: ReferenceError

▶ Answer

```
function* generatorOne() {
  yield ['a', 'b', 'c'];
}

function* generatorTwo() {
  yield* ['a', 'b', 'c'];
}

const one = generatorOne();
```

```
const two = generatorTwo();
console.log(one.next().value);
console.log(two.next().value);

• A: a and a

• B: a and undefined

• C: ['a', 'b', 'c'] and a

• D: a and ['a', 'b', 'c']
```

113. What's the output?

```
console.log(`$\{(x \Rightarrow x)('I love')\}\ to program`);
```

- A: I love to program
- B: undefined to program
- C: \${(x => x)('I love') to program
- D: TypeError

Answer

114. What will happen?

```
let config = {
  alert: setInterval(() => {
    console.log('Alert!');
  }, 1000),
};
config = null;
```

- A: The setInterval callback won't be invoked
- B: The setInterval callback gets invoked once
- C: The setInterval callback will still be called every second
- D: We never invoked config.alert(), config is null

115. Which method(s) will return the value 'Hello world!'?

```
const myMap = new Map();
const myFunc = () => 'greeting';
myMap.set(myFunc, 'Hello world!');
//1
myMap.get('greeting');
//2
myMap.get(myFunc);
//3
myMap.get(() => 'greeting');
• A: 1
```

- B: 2
- C: 2 and 3
- D: All of them

Answer

```
116. What's the output?
```

```
const person = {
  name: 'Lydia',
  age: 21,
};
const changeAge = (x = { ...person }) \Rightarrow (x.age += 1);
const changeAgeAndName = (x = { ...person }) => {
  x.age += 1;
  x.name = 'Sarah';
};
changeAge(person);
changeAgeAndName();
console.log(person);
• A: {name: "Sarah", age: 22}
• B: {name: "Sarah", age: 23}
• C: {name: "Lydia", age: 22}
• D: {name: "Lydia", age: 23}
```

117. Which of the following options will return 6?

```
function sumValues(x, y, z) {
  return x + y + z;
}

• A: sumValues([...1, 2, 3])

• B: sumValues([...[1, 2, 3]])
```

• C: sumValues(...[1, 2, 3])

• D: sumValues([1, 2, 3])

Answer

118. What's the output?

```
let num = 1;
const list = ['@', '@', '@', '@'];
console.log(list[(num += 1)]);
```

- A: 😁
- B: 🖼
- C: SyntaxError
- D: ReferenceError

Answer

```
const person = {
  firstName: 'Lydia',
  lastName: 'Hallie',
  pet: {
    name: 'Mara',
    breed: 'Dutch Tulip Hound',
  },
  getFullName() {
    return `${this.firstName} ${this.lastName}`;
  },
};
console.log(person.pet?.name);
```

```
console.log(person.pet?.family?.name);
console.log(person.getFullName?.());
console.log(member.getLastName?.());
```

- A: undefined undefined undefined
- B: Mara undefined Lydia Hallie ReferenceError
- C: Mara null Lydia Hallie null
- D: null ReferenceError null ReferenceError

120. What's the output?

```
const groceries = ['banana', 'apple', 'peanuts'];
if (groceries.indexOf('banana')) {
  console.log('We have to buy bananas!');
} else {
  console.log(`We don't have to buy bananas!`);
}
```

- A: We have to buy bananas!
- B: We don't have to buy bananas
- C: undefined
- D: 1

Answer

```
const config = {
  languages: [],
  set language(lang) {
    return this.languages.push(lang);
  },
};
console.log(config.language);
```

- A: function language(lang) { this.languages.push(lang }
- B: 0
- C: []

• D: undefined

Answer

```
122. What's the output?
  const name = 'Lydia Hallie';
  console.log(!typeof name === 'object');
  console.log(!typeof name === 'string');
  • A: false true
  • B: true false
  • C: false false
  • D: true true
Answer
123. What's the output?
  const add = x \Rightarrow y \Rightarrow z \Rightarrow \{
    console.log(x, y, z);
    return x + y + z;
  };
  add(4)(5)(6);
  • A: 4 5 6
  • B: 6 5 4
  • C: 4 function function
  • D: undefined undefined 6
▶ Answer
124. What's the output?
  async function* range(start, end) {
    for (let i = start; i <= end; i++) {</pre>
```

} }

yield Promise.resolve(i);

```
javascript-questions/README.md at master · lydiahallie/javascript-questions · GitHub
  (async () => {
    const gen = range(1, 3);
    for await (const item of gen) {
      console.log(item);
  })();
 • A: Promise {1} Promise {2} Promise {3}
 • B: Promise {<pending>} Promise {<pending>} Promise {<pending>}
 • C: 1 2 3
 • D: undefined undefined undefined
Answer
125. What's the output?
  const myFunc = (\{x, y, z\}) \Rightarrow \{
    console.log(x, y, z);
  };
  myFunc(1, 2, 3);
 • A: 1 2 3
 • B: {1: 1} {2: 2} {3: 3}
 • C: { 1: undefined } undefined undefined
 • D: undefined undefined
Answer
126. What's the output?
```

```
function getFine(speed, amount) {
  const formattedSpeed = new Intl.NumberFormat('en-US', {
   style: 'unit',
   unit: 'mile-per-hour'
  }).format(speed);
  const formattedAmount = new Intl.NumberFormat('en-US', {
   style: 'currency',
   currency: 'USD'
  }).format(amount);
  return `The driver drove ${formattedSpeed} and has to pay ${formattedAmount}`;
}
```

```
console.log(getFine(130, 300))
```

- A: The driver drove 130 and has to pay 300
- B: The driver drove 130 mph and has to pay \$300.00
- C: The driver drove undefined and has to pay undefined
- D: The driver drove 130.00 and has to pay 300.00

127. What's the output?

- A: ["[, ", ", ", ", ", ", "]
- B: ["♣", "♣", "♠", "�"]
- C: ["♣", "♚", "♚", { item: "♚" }]
- D: ["�", "w", "@", "[object Object]"]

Answer

128. What's the output?

```
const name = 'Lydia Hallie';
const age = 21;

console.log(Number.isNaN(name));
console.log(Number.isNaN(age));

console.log(isNaN(name));
console.log(isNaN(age));
```

- A: true false true false
- B: true false false
- C: false false true false
- D: false true false true

```
129. What's the output?
  const randomValue = 21;
  function getInfo() {
    console.log(typeof randomValue);
    const randomValue = 'Lydia Hallie';
  getInfo();
  • A: "number"
  • B: "string"
  • C: undefined
  • D: ReferenceError
Answer
130. What's the output?
  const myPromise = Promise.resolve('Woah some cool data');
  (async () => {
    try {
      console.log(await myPromise);
    } catch {
      throw new Error(`Oops didn't work`);
    } finally {
      console.log('Oh finally!');
  })();
  • A: Woah some cool data
  • B: Oh finally!
  • C: Woah some cool data Oh finally!
  • D: Oops didn't work Oh finally!
▶ Answer
131. What's the output?
```

```
const emojis = ['♥', ['♣', '♣', ['▷', '▷']]];
         console.log(emojis.flat(1));
      • A: ['\delta', ['\delta', '\delta', ['\delta', '\delta']]]
      • B: ['\'\\', '\\\\', ['\'\\', '\'\\']]
      • C: ['\)', ['\$', '\$', '\)', '\"
      • D: ['\begin{align*} '\begin{align*} '\begin{
► Answer
132. What's the output?
         class Counter {
                 constructor() {
                         this.count = 0;
                increment() {
                         this.count++;
                 }
         }
         const counterOne = new Counter();
         counterOne.increment();
         counterOne.increment();
         const counterTwo = counterOne;
         counterTwo.increment();
         console.log(counterOne.count);
       • A: 0
       • B: 1
       • C: 2
       • D: 3
▶ Answer
133. What's the output?
         const myPromise = Promise.resolve(Promise.resolve('Promise'));
```

```
function funcOne() {
    setTimeout(() => console.log('Timeout 1!'), 0);
    myPromise.then(res => res).then(res => console.log(`${res} 1!`));
    console.log('Last line 1!');
}

async function funcTwo() {
    const res = await myPromise;
    console.log(`${res} 2!`)
    setTimeout(() => console.log('Timeout 2!'), 0);
    console.log('Last line 2!');
}

funcOne();
funcTwo();
```

- A: Promise 1! Last line 1! Promise 2! Last line 2! Timeout 1! Timeout 2!
- B: Last line 1! Timeout 1! Promise 1! Last line 2! Promise2! Timeout 2!
- C: Last line 1! Promise 2! Last line 2! Promise 1! Timeout 1! Timeout 2!
- D: Timeout 1! Promise 1! Last line 1! Promise 2! Timeout 2! Last line 2!

```
134. How can we invoke sum in sum.js from index.js?
```

```
// sum.js
export default function sum(x) {
  return x + x;
}

// index.js
import * as sum from './sum';
```

- A: sum(4)
- B: sum.sum(4)
- C: sum.default(4)
- D: Default aren't imported with *, only named exports

▶ Answer

```
const handler = {
  set: () => console.log('Added a new property!'),
```

```
get: () => console.log('Accessed a property!'),
  };
  const person = new Proxy({}, handler);
  person.name = 'Lydia';
  person.name;
 A: Added a new property!
 B: Accessed a property!
 • C: Added a new property! Accessed a property!

    D: Nothing gets logged

Answer
136. Which of the following will modify the person object?
  const person = { name: 'Lydia Hallie' };
  Object.seal(person);
 • A: person.name = "Evan Bacon"
 • B: person.age = 21
 • C: delete person.name
 • D: Object.assign(person, { age: 21 })
Answer
137. Which of the following will modify the person object?
  const person = {
```

```
name: 'Lydia Hallie',
  address: {
    street: '100 Main St',
  },
};
Object.freeze(person);
```

- A: person.name = "Evan Bacon"
- B: delete person.address
- C: person.address.street = "101 Main St"

```
• D: person.pet = { name: "Mara" }
```

```
138. What's the output?
  const add = x \Rightarrow x + x;
  function myFunc(num = 2, value = add(num)) {
    console.log(num, value);
  }
  myFunc();
  myFunc(3);
  • A: 2 4 and 3 6
  • B: 2 NaN and 3 NaN
  • C: 2 Error and 3 6
  • D: 2 4 and 3 Error
► Answer
139. What's the output?
  class Counter {
    \#number = 10
    increment() {
      this.#number++
    }
    getNum() {
      return this.#number
    }
  }
  const counter = new Counter()
  counter.increment()
  console.log(counter.#number)
  • A: 10
  • B: 11
```

• C: undefined

• D: SyntaxError

140. What's missing?

```
const teams = [
    { name: 'Team 1', members: ['Paul', 'Lisa'] },
    { name: 'Team 2', members: ['Laura', 'Tim'] },
  1;
  function* getMembers(members) {
    for (let i = 0; i < members.length; i++) {</pre>
      yield members[i];
    }
  }
  function* getTeams(teams) {
    for (let i = 0; i < teams.length; i++) {</pre>
      // ∰ SOMETHING IS MISSING HERE ∰
    }
  }
  const obj = getTeams(teams);
  obj.next(); // { value: "Paul", done: false }
  obj.next(); // { value: "Lisa", done: false }
 A: yield getMembers(teams[i].members)
 • B: yield* getMembers(teams[i].members)
 • C: return getMembers(teams[i].members)
 • D: return yield getMembers(teams[i].members)
Answer
141. What's the output?
  const person = {
    name: 'Lydia Hallie',
    hobbies: ['coding'],
  };
  function addHobby(hobby, hobbies = person.hobbies) {
    hobbies.push(hobby);
    return hobbies;
  }
```

```
addHobby('running', []);
  addHobby('dancing');
  addHobby('baking', person.hobbies);
  console.log(person.hobbies);
  • A: ["coding"]
  • B: ["coding", "dancing"]
  • C: ["coding", "dancing", "baking"]
 • D: ["coding", "running", "dancing", "baking"]
Answer
142. What's the output?
  class Bird {
    constructor() {
      console.log("I'm a bird. &-");
    }
  }
  class Flamingo extends Bird {
    constructor() {
      console.log("I'm pink. @");
      super();
    }
  }
  const pet = new Flamingo();
 • A: I'm pink. 🎡
  • B: I'm pink. 🎡 I'm a bird. 🦫
  • C: I'm a bird. 🔑 I'm pink. 🏟
  • D: Nothing, we didn't call any method
Answer
143. Which of the options result(s) in an error?
  const emojis = ['\triangle', '\overline{\oplus}', '\overline{\overline{\oplus}}', '\overline{\overline{\oplus}}'];
  /* 1 */ emojis.push('\\');
```

/* 2 */ emojis.splice(0, 2);

```
/* 3 */ emojis = [...emojis, '\darkarrow\];
/* 4 */ emojis.length = 0;
```

- A: 1
- B: 1 and 2
- C: 3 and 4
- D: 3

144. What do we need to add to the person object to get ["Lydia Hallie", 21] as the output of [...person]?

```
const person = {
  name: "Lydia Hallie",
  age: 21
}
[...person] // ["Lydia Hallie", 21]
```

- A: Nothing, object are iterable by default
- B: *[Symbol.iterator]() { for (let x in this) yield* this[x] }
- C: *[Symbol.iterator]() { yield* Object.values(this) }
- D: *[Symbol.iterator]() { for (let x in this) yield this }

Answer

```
let count = 0;
const nums = [0, 1, 2, 3];
nums.forEach(num => {
        if (num) count += 1
})
```

- A: 1
- B: 2
- C: 3
- D: 4

```
146. What's the output?
 function getFruit(fruits) {
        console.log(fruits?.[1]?.[1])
 }
 getFruit()
 • A: null, undefined,
 • B: [], null,
 • C: [], [], 💫
 • D: undefined, undefined,
Answer
147. What's the output?
 class Calc {
        constructor() {
               this.count = 0
        }
        increase() {
               this.count ++
        }
 }
 const calc = new Calc()
 new Calc().increase()
 console.log(calc.count)
 • A: 0
 • B: 1
 • C: undefined
 • D: ReferenceError
```

https://github.com/lydiahallie/javascript-questions/blob/master/README.md

```
148. What's the output?
  const user = {
         email: "e@mail.com",
          password: "12345"
  }
  const updateUser = ({ email, password }) => {
          if (email) {
                 Object.assign(user, { email })
          }
          if (password) {
                 user.password = password
          }
         return user
  }
  const updatedUser = updateUser({ email: "new@email.com" })
  console.log(updatedUser === user)
 • A: false
 • B: true
 • C: TypeError
 • D: ReferenceError
▶ Answer
149. What's the output?
  const fruit = ['&', '\b'']
  fruit.slice(0, 1)
  fruit.splice(0, 1)
  fruit.unshift('\overline{a}')
  console.log(fruit)
 • A: ['&', '\"', '\"']
 • C: ['\\', '\', '\']
 • D: ['\\'\', '\\\', '\\'\']
Answer
```

```
150. What's the output?
```

```
const animals = {};
let dog = { emoji: 'D' }
let cat = { emoji: 'D' }

animals[dog] = { ...dog, name: "Mara" }
animals[cat] = { ...cat, name: "Sara" }

console.log(animals[dog])

• A: { emoji: "D", name: "Mara" }

• B: { emoji: "D", name: "Sara" }

• C: undefined
```

• D: ReferenceError

▶ Answer

151. What's the output?

```
const user = {
        email: "my@email.com",
        updateEmail: email => {
            this.email = email
        }
}
user.updateEmail("new@email.com")
console.log(user.email)
```

- A: my@email.com
- B: new@email.com
- C: undefined
- D: ReferenceError

Answer

```
const promise1 = Promise.resolve('First')
const promise2 = Promise.resolve('Second')
const promise3 = Promise.reject('Third')
```

```
const promise4 = Promise.resolve('Fourth')
  const runPromises = async () => {
          const res1 = await Promise.all([promise1, promise2])
          const res2 = await Promise.all([promise3, promise4])
          return [res1, res2]
  }
  runPromises()
          .then(res => console.log(res))
          .catch(err => console.log(err))
 • A: [['First', 'Second'], ['Fourth']]
 • B: [['First', 'Second'], ['Third', 'Fourth']]
 • C: [['First', 'Second']]
 • D: 'Third'
▶ Answer
153. What should the value of method be to log { name: "Lydia", age: 22 }?
  const keys = ["name", "age"]
  const values = ["Lydia", 22]
  const method = /* ?? */
  Object[method](keys.map((_, i) => {
          return [keys[i], values[i]]
  })) // { name: "Lydia", age: 22 }
 • A: entries
 • B: values
 • C: fromEntries
 • D: forEach
Answer
154. What's the output?
  const createMember = ({ email, address = {}}) => {
          const validEmail = /.+\@.+\..+/.test(email)
          if (!validEmail) throw new Error("Valid email pls")
          return {
                  email,
```

```
address: address ? address : null
          }
  }
  const member = createMember({ email: "my@email.com" })
  console.log(member)
 • A: { email: "my@email.com", address: null }
 • B: { email: "my@email.com" }
 • C: { email: "my@email.com", address: {} }
 • D: { email: "my@email.com", address: undefined }
▶ Answer
155. What's the output?
  let randomValue = { name: "Lydia" }
  randomValue = 23
  if (!typeof randomValue === "string") {
          console.log("It's not a string!")
  } else {
          console.log("Yay it's a string!")
  }
 • A: It's not a string!
 • B: Yay it's a string!
 • C: TypeError
 • D: undefined
Answer
```