

## Examen 2:1

1. What are the different data types present in javascript?
2. What would be the result of  $3+2+"7"$ ? And why ?
3. Using `map()` return full name from the given array

```
const array =  
[  
  {first_name:"Colin",last_name:"Toh"},  
  {first_name:"Addy",last_name:"Osmani"},  
  {first_name:"Yehuda",last_name:"Katz"}  
];
```

4. 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

5. Filter even numbers

```
const numberArray = [1,2,3,4,5,6,7,8,9,10];
```

6. Given a string, reverse each word in the sentence.

For example Welcome to this Javascript Guide! should be become emocleW ot siht tpircsavaJ lediuG

7. How to check if an object is an array or not?
8. What is a promise ? Write syntax of a promise
9. How do you make the first letter of the string in an uppercase ?
10. What is the output ?

```
const fullName = "Alfred Worse";  
fullName = "Albert Full";  
console.log(fullName);
```

## Examen 2:1

11. What is the output ?

```
const object = {  
  fullName: "Alfred Worse"  
}  
  
object.fullName = "Albert Full"  
console.log(object);
```

12. What is the output ?

```
const object2 = {  
  ...object,  
  fullName: "Albert Full"  
}  
  
const object3 = {  
  fullName: "Albert Full",  
  ...object  
}  
  
console.log(object2);  
console.log(object3);
```

13. What is the output ?

```
const object = {  
  fullName: "Alfred Worse",  
  city: ["Jerusalem", "Tel Aviv"]  
}  
  
object.city.push("Paris");  
console.log(object);
```

## Examen 2:1

14. What is the output ?

```
const object = {
  fullName: "Alfred Worsen",
  city: ["Jerusalem", "Tel Aviv"]
}

const newObject = {...object};

newObject.city.push("Paris");
console.log(object.city);
```

15. Write a function to find the anagram. The function will receive one parameter that will be a string and return the anagram of the string in the array below.

```
const array = ["abn", "nab", "def", "poe", "fed"];
```

16. What is the output ?

```
console.log("b")
setTimeout(() => {
  console.log("a");
}, 0);
console.log("c")
setTimeout(() => {
  console.log("d");
}, 10);
setTimeout(() => {
  console.log("f");
}, 0);
```

17. Find the missing number in the array

Input: [1, 2, 3, 4, 6, 7, 8, 9, 10]

Output: 5

18. Inverting integers

Input: num = 123

Output: 321

Input: num = -123

Output: -321

## Examen 2:1

### 19. Array alignment

Input: [1,2,3]

Output: [[1,2,3],[1,3,2],[2,1,3],[2,3,1],[3,1,2],[3,2,1]]

### 20. Alignment in strings

Input: s1 = "ab", s2 = "eidbao"

Output: true

Input: s1 = "aa", s2 = "eidbao"

Output: false

### 21. Longest valid brackets

Input: "()"

Output: 2

Input: "()()"

Output: 4