Quiz#2

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Provide the answers in this file. No need to upload any files except this docx. Regarding the fourth question, just copy and paste your JS code.

Q1. Why this block of code is invalid?

```
const objectVariable = {
  property1: 'i am property 1';
  property2: 'i am property 2';
  property3: [20, 30, 40];
};

console.log(objectVariable.property3[2]);
```

Answer:

The wrong line of code is: console.log(objectVariable.property3[2]) even if property3 is array, we can not achieve the element with index 2 using this property3[2] method. First of all we have to save a property3 as a new variable and only after it achieve the 3rd element of array

Q2. Why this block of code is invalid?

```javascript
const myArray = [20, 30, 40];

console.log(myArray[3]);
```

Answer:

The wrong line of code is: console.log(myArray[3]). We have only 3 elements in array, so indexes from 0 to 2, we don't have index 3

Q3. What does result evaluate to?

```javascript
const myObj = {
  nestedObject1: {
    price: 100,
    quantity: 5
  },
  nestedObject2: {
    price: 150,
    quantity: 2
  }
};

const myArray = [myObj.nestedObject1, myObj.nestedObject2];

const result = (myArray[0].price * myArray[0].quantity) > (myArray[1].price * myArray[1].quantity);
```

Answer: (100*5)>(150*2)

        500>300

Answer result = true (1)

Q4. Create a function that takes a list of non-negative integers and strings and returns a new list with the strings filtered out.

Example:

```javascript
filter_list([1,2,'a','b'])
▶ (2) [1, 2]
```

Note: You can not use the built-in function "filter" in JS!

Answer:

```
//Create a function that takes a list of non-negative integers and strings and returns a new list with
the strings filtered out.
let list = [1,2,'a', 'b']
let index = 0;
for (var elemts of list) {
    elemts>=0 ? newarr[index] = elemts : '';
    let index = index + 1;
}
```