

1. "extracting data from objects and arrays" resembles ?

- a) elision
- b) spread
- c) ellipsis
- d) destructuring

Ans: d

2. In typescript properties by default which are not assigned will?

- a) null
- b) empty
- c) undefined
- d) throws exception

Ans: c

3. What is the minimum ECMA script version that is required for using Destructuring ?

- a) ES3
- b) ES4
- c) ES5
- d) ES6

Ans: d

4. Explanation: In ECMAScript 5 and earlier, the need to fetch information from objects and arrays could lead to a lot of

code that looks the same, just to get certain data into local variables. That's why ECMAScript 6 adds destructuring for

both objects and arrays.

Is destructuring is similar in JS and TS?

- a) yes
- b) no

Ans: a

Explanation: destructuring is similar in both JS and TS, because TS is the superscript of JS. That depends on the ECMA Script version.

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5. Skipping elements during destructuring is known as ?

- a) holes
- b) elision
- c) ellipsis
- d) spread

Ans: b

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6. Is nested destructuring is possible when destructing ?

- a) yes

b) no

Ans: a

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7. What is the expected output for the following code ?

```
function sample2() {  
  let user = {  
    department: "DP1",  
    name: "SandeepSoni",  
  }  
  let {department: name} = user;  
  console.log(name);  
}  
sample2();
```

- a) Compile time error
- b) DP1
- c) SandeepSoni
- d) Run time error

Ans: b

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8. what is the expected output for the following example ?

```
function sample2() {  
  let user = {  
    department: "DP1",  
    name: "SandeepSoni",  
  }  
  let {myDepartment: department} = user;  
  console.log(department);  
}  
sample2();
```

- a) Compile time error
- b) DP1
- c) SandeepSoni
- d) Run time error

Ans: a

Explanation: the LHS of the expression when destructing will check with the type match i.e, the curly braces { } is not

just a block, its an object that resembles the properties of the object which is going to be destructed. So in the

curly braces you can only define the properties which are existed in the destructing object. Here myDepartment is not

a property of user object ,that is why it will

9. What is the expected output for the following program ?

```
function helloworld(){  
  const person = { firstName: 'Hello', lastName: 'World' };  
  const { middleName: firstName} = person;  
  console.log(firstName);  
}
```

```
helloworld();
```

- a) null (or) undefined
- b) Hello
- c) Compile time error
- d) Run time error

Ans: a

10. What is the expected output for the following program ?

```
function helloworld(){  
  const person = { firstName: 'Hello', lastName: 'World' };  
  const { middleName: firstName = 'Hello world'} = person;  
  console.log(firstName);  
}
```

```
helloworld();
```

- a) null (or) undefined
- b) Hello

- c) Compile time error
- d) Hello world

Ans: d

Explanation: If the declaration is initialized with default value then default value will be remained till it was assigned with other value.

11. Which of the following are the use cases of destructuring ?

- a) when you are writing module import statements.
- b) when working things like regular expressions.
- c) to define default options when you have a method with a bunch of options.
- d) when there is a method that returns object.
- e) all of the above.
- f) None.

Ans: e