

Which of the following concepts that are supported by typescript ?

- inheritance
- abstraction
- encapsulation
- function overriding
- all the above

Ans: e

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Typescript allows overloading ?

- true
- false

Ans: b

Explanation: TypeScript cannot generate multiple definitions of the same function differing only by their signature

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Which of the following is correct about constructors in typescript ?

- constructor name should be same as class name.
- can do constructor overloading.
- constructor keyword should be used.
- none of the above

Ans: c

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How do you perform type casting in typescript ?

- using only < >
- using only as keyword
- both < > and as keyword

using implicit typecasting.

Ans: c

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Which of the following are correct about Type Assertion ?

Type Assertion is harmful.

Compiler provides autocomplete when using type assertion.

Type Assertions are purely compile time construct.

All the above

Ans: d

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Does protected and private variables are available in the class instances ?

yes  
no

Ans: no

Explanation: Only public variables are available in Class instances.

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What is the default modifier for members ?

public  
private  
protected  
abstract

Ans: a

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By using what we can find out the type of any object in typescript ?

typeof  
instanceof  
indexof  
lastindexof

Ans: b

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What is the expected output for the following code ?

```
class Deccansoft extends Employees {  
  constructor() {  
  
  }  
  public EmployeeData(): string {  
    return "Hello "+this.EmployeeName;  
  }  
}
```

```
function load() {  
  let emp1: Deccansoft = new Deccansoft();  
  emp1.EmployeeName = "Phani";  
  console.log(emp1.EmployeeData());  
}
```

Hello Phani  
Hello  
throws compile time error.  
throws runtime error.

Ans: c

Explanation: super() must be called from the constructor in typescript when extending other class. The compile time error will be "Constructors for derived classes must contain a 'super' call".

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Deccansoft