1. Observables help you manage which type of data?
2. Synchronous
3. Asynchronous
4. Both Asynchronous and Synchronous
5. None
6. What is .angular-cli.json user for?
7. To configure angular project
8. To install required packages
9. To link external files
10. How does AoT improve application load time?
11. It complies once at build time using one set of libraries.
12. It walks the dependency graph and removes unused code.
13. It runs the compiler at runtime
14. It compiles once on server side and serves the optimized code directly to the browser

4 .What set of tags are used as a placeholder to display a component in a template?

**a. <router-outlet></router-outlet>**

b. <router-component></router-component>

c. <router-import></router-import>

d. <router-inject></router-inject>

5. What is the process called that converts TypeScript code into JavaScript code?

a. Transclusion

b. Translation

**c. Transpiling**

d. Transpiring

6. What function is called when an object is created in TypeScript?

a. ngOnInit()

**b. constructor()**

c. OnInit()

d. initialize()

7. How many Change Detectors can there be in the whole application?

a. Each component has its own change detector

b. A single change detector for the whole application

c. A change detector for each template in the view

d. Hierarchical change detector for the whole application

8. The following code initializes three types representing the colors: red, green and blue.

type ColorType = [string, number, number, number];

let red: ColorType = ['Red', 1, 0, 0];

let green: [string, number, number, number] = ['Green', 0, 1, 0];

let blue = ['Blue', 0, 0, 1];

Select the statements that are correct (multiple choices can be selected)

1. All three colors can have new elements of any type appended to them.
2. ColorType is an alias to a tuple.
3. All three colors would compile to the same JavaScript type signature.
4. ColorType is an array where the type of a fixed number of elements is known.
5. All three variables are immutable.
6. <ul \*ngIf=”items” \*ngFor=”let item of items”>

<li></li>

</ul>

What will be the output of the above code?

1. Loops through the items if the items is not empty
2. Gives template parse error
3. Gives Binding parse error
4. Runs into an infinite loop if items is not empty
5. Consider the following two base classes, *Positionable*and *Rotatable*, and *MovingObject* derived class:

class Positionable {

locationX: number;

locationY: number;

}

class Rotatable {

orientation: number;

rotate(orientation: number)

{ this.orientation += orientation; }

 align(rotatable: Rotatable)

{         this.orientation = rotatable.orientation;     }

}

class MovingObject implements Positionable, Rotatable {

locationX: number = 0;

locationY: number = 0;

orientation: number = 0;

rotate: (orientation: number) => void;

}

applyMixins(MovingObject, [Positionable, Rotatable]);

function applyMixins(derivedCtor: any, baseCtors: any[])

{

baseCtors.forEach(baseCtor => { Object.getOwnPropertyNames(baseCtor.prototype).forEach(name => { derivedCtor.prototype[name] = baseCtor.prototype[name];

});

});

}

let mover = new MovingObject();

mover.rotate(30);

Select the statements that are correct (multiple choices can be selected)

1. The applyMixins function applies the implementations of Positionable and Rotatable to MovingObject.
2. The TypeScript compiler will highlight that the property 'align' is missing for the type MovingObject.
3. As the MovingObject implements Rotatable, the call to mover.rotate(30) will do nothing.
4. The Positionable class could be changed to an interface without causing any compiler errors.
5. The properties of MovingObject are required as stand-ins to satisfy the TypeScript compiler.

11. [Interpolation in angular 2 is done using](https://www.onlineinterviewquestions.com/angular-2-mcq/#collapseUnfiled5)

* **{{}}**
* {{|var}}
* {{{}}}
* !!!!

12. [Which of the following filter is used to convert input to all uppercase?](https://www.onlineinterviewquestions.com/angular-2-mcq/#collapseUnfiled9)

* upper
* **uppercase**
* toUpper
* none of the above

13. Which of the following is not a hook in Angular 2 application life cycle.

ngOnChanges

ngOnInit

ngAfterViewInit

**ngViewStart**

14. Which of the following TestBed method is used to create an Angular component under test?

createComponent

createTestingComponent

configureComponent

configureTestingComponent

15. It is recommended to write isolated unit tests for which of the following?

1.      Services

2.      Pipes

3.      All the above