

IT 332 Mobile Application Development

Quiz # 1

Name: _____

Reg # : _____

Github ID: _____

Instructions: Please write to the point answers. A two marks question's answer should not be more than 3 lines. There are a total of 8 questions. Total Marks (15).

Q1) What are structural Directives in Angular? Give an example (2)

Structural Directives change the template/html. E.g *ngFor, *ngIf

Q2) What are Hybrid Mobile Apps? Why are they famous nowadays? (2)

Hybrid Mobile Apps have same codebase for both iOS and Android platforms. They are famous because developers only need to maintain one codebase, learn one language etc.

Q3) How are Structural Directives different from Attribute Directives in Angular? (2)

Structural Directives change the template while Attribute Directives only change the behaviour of template but not the actually remove or add template.

E.g of Structural Directives: *ngFor, *ngIf

Attribute Directives: ngStyle, ngClass

Q4) What is static type checking? Does TypeScript enforces static type checking ? (2)

Static type checking is setting/assigning a type to a variable e.g let num: number;

No, TypeScript doesn't enforce static type checking but it provides it optionally.

Q5) Does Ionic only work with Angular? Can it work with other JavaScript Frameworks? (1)

No. It can work with other JS frameworks e.g React.js, Vue.js or even Vanilla js

Q6) Suppose you have to display a list of students in an Ionic App. What would you use to display the list of students? (2)

We would use `*ngFor` to iterate a list.

Q7) What is the difference between ``npm install ionic`` and ``npm install -g ionic`` (2)

`npm install ionic` will install ionic in the local project and add it to the package.json.

`npm install -g ionic` will install it globally in the computer and then ionic command can be accessed from anywhere.

Q8) Explain what 'Components' are in your own words. (2)

Components are the building blocks to a program. Many components combine to form a module. An Angular app can be composed of one or many modules.