

- 1- **Arraylist** is a class and methods can't be used to access or modify its elements. (True or **False**)
- 2- **Interfaces** have no states and all their methods are not implemented. (**True** or False)
- 3- One of the ways provided in Android to control playback of audio/video files and streams is through a class called \_\_\_\_\_ (Multi-choices)  
a. **AudioPlayer**                      b. **MediaPlayer**                      c. **MultiMedia**                      d. **MediaManager**
- 4- Explain briefly about Activity Life Cycle and mention why you think it's important for a developer to be aware of it. (Short –answer)  
The life cycle helps the app to behave in way in each state of the life cycle, it's important to know when to pause , stop, ect .. our app.
- 5- When to create a custom class for List View? (Short –answer)  
when there is more than one textview to show.
- 6- What is the reason of existing of many drawable folders in Android Apps? (Short –answer)  
Because we have many different mobile screens that require different dpi.
- 7- Traverse the **color** and **wide** keys in the following JSON code. (Short –answer)

## JSON AND KEY VALUE PAIRS

```
{
  "size": 9.5,
  "wide": true,
  "country-of-origin": "usa",
  "style": {
    "categories": [ "boot", "winklepicker" ],
    "color": "black"
  }
}
```

Json object → Json object with key "style" → get string value of key "color"

Json object → get boolean value of key "wide"

- 8- State only the 3 common navigation patterns? (Short –answer)  
Master Screen, Navigation Drawer, tabs.
- 9- What are the difference between Up and Back buttons? (Short –answer)  
Up goes to the parent, Back goes back to the last activity.
- 10- What are the difference between static and non-static methods? (Short –answer)  
In static you call the class and then the method, but in non static you call that method as an object.