**MODULE 3 [ANDROID UI] ASSIGNMENT**

**Topic - UI Controls**

**ASSIGNMENT LEVEL BASIC**

B1. Explain View And ViewGroup.

* The view is a class for all the UI components in android.
* A viewgroup is one type of view that contains other views. It is a class for layouts and containers.

**Topic - Adapter**

**ASSIGNMENT LEVEL BASIC**

B1. What is Adapter? List out Adapter you know.

* An adapter manages the data model in a view.
* There are various types of adapters :-

1. Base Adapter
2. Array Adapter
3. Simple Adapter
4. List Adapter
5. Spinner Adapter

B2. Difference between custom adapter and array adapter.

* Base Adapter is an adapter which allows us to do whatever we want.
* Array Adapter is an adapter which works only when there is a Array List or some data are in arrays.

**Topic - Dialogs**

**Assignment Level Basic**

B1. What are different dialogs available in android. Explain each with example

* There are 4 types of dialogs available in android :-

1. Alert Dialog

* Alert Dialog box is box which pops up, grabs the focus and stays until it is closed by the user.

1. Date Picker Dialog

* Date Picker Dialog box is a box which allows the user to select the dates from the calendar which pops up on clicking in the editext space.

1. Time Picker Dialog

* Time Picker Dialog box is a box which allows the user to select the time from the clock which pops up on clicking in the editext space.

1. Toast

* A toast provides a feedback about an operation in a small pop up. It only fills the amount of space required for the message and the current activity remains visible and interactive.

**Topic - Menus**

**Assignment Level Basic**

B1. What are different menus in android?

* There are 3 types of menus :-

1. Options Menu

* These are mainly an activity's menu items. Usually these options impact the app, [ like for example the Settings option. ]

1. Context Menu

* These menus are those that appear in floating window when the user clicks on a particular item.

1. Popup Menu

* This menus are also floating window menus.