* LISTVIEW:-

⇒) List view is a view in which list of scrollable items can be displayed.

=) Generally, it helps you to display data in the form of a scrollable list.

⇒) List View is by default Scrollable

⇒) A common example of list View is phone contact Book, phone message Book, etc.

⇒) To enter the data in the list View, we use ADAPTERS

⇒) The logic behind using adapter is that list items are automatically inserted to a list using an Adapter which will pull or fetch the content from a source like database or array list.

⇒) In android Studio, list view can be found in the Container Section.

⇒) we can drag and drop to the screen or we can use XML code.

* Attributes of list view:-

(1) id → used to uniquely identify the view

(2) Divider → to divide the list items

(3) dividerHeight → specifies the height of the divider.

(4) list Selector → used to set the selector of list view.

⇒ Adapters to be used :-
    (1) Array Adapter
    (2) Base Adapter

* Ex ample :-

⇒ Create the new android Project.

⇒ Make following changes in

    "Activity - main. xml"

⇒ `<? xml version= "1.0" encoding = "utf-8"?>`

⇒ `<LinearLayout xmlns: android = " ..... "`
`android : layout - width= "match-parent "`
`android : layout - height > "match-parent"`
`android : orientation = "vertical">`

    `< ListView`
    `android : id = "@ +id/ simple List "`
    `android: layout-width = " match-parent`
    `android : layout - height = "wrap- content "`
    `android: divider = "@color/ red "`
    `android: dividerHeight=" 2dp " />`

    `< / LinearLayout>`

⇒) make a new activity :→
"activity-listview.xml"

⇒) You can insert a text view where
the listview will be presented.

⇒) After completing the design of above
activity-listview.xml file,
make changes in Main Activity.java.

⇒) package parthnpatel.com. listview;

• import Section where os. Bundle, Activity,
menu will be imported.

⇒) In public class Main Activity;

· make/insert :→

   ListView simpleList;
   String list[]={"a","b","c" .... };

⇒) In oncreate;

   insert→)
   Simple List = find ViewBy Id (R.id.list);

⇒) also, initialize the Array Adapter.

⇒) Final step→)

   simple List. set Adapter (array Adapter);

⇒) List view is created.

=> changes were made in:-

    (1) activity-main.xml

    (2) activity-listview.xml

    (3) mainActivity.java

=>
```
public class Database Handler
extends SQLiteOpenHelper {

    private static final int DB-VERSION = 1;
    private static final String
        DATABASE_NAME = "db";
    private static final String
        TABLE_CONTACTS = "contact";
                      string
    private static final _ID = "id";
    private static final String _NAME = "name";
```

=> On create : ->

```
public void onCreate (SQLite Database db)

{

    String CREATE = " CREATE TABL "+

       ° TABLE_CONTACTS + "c" + _ID +
       " INTEGER PRIMARY KEY," + _NAME

       + "TEXT"+")";

    db. execSQL (CREATE);

}
```