Solution:-

Design :-

activity_main.xml:-

```xml
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:id="@+id/activity_main"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:paddingBottom="@dimen/activity_vertical_margin"
    android:paddingLeft="@dimen/activity_horizontal_margin"
    android:paddingRight="@dimen/activity_horizontal_margin"
    android:paddingTop="@dimen/activity_vertical_margin"
    android:orientation="vertical"
    tools:context="com.anirban.myapp.sqlite1.MainActivity">


    <TextView
        android:id="@+id/textView1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentLeft="true"
        android:layout_alignParentTop="true"
        android:layout_marginTop="15dp"
        android:text="Search the product here"/>

    <AutoCompleteTextView
        android:id="@+id/autoCompleteTextView1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentLeft="true"
        android:layout_below="@+id/textView1"
        android:layout_marginLeft="36dp"
        android:layout_marginTop="17dp"
        android:ems="10"
        android:text="">

        <requestFocus />
    </AutoCompleteTextView>
</LinearLayout>
```

```
Control:-
MainActivity.java:-
import android.os.Bundle;
import android.app.Activity;
import android.graphics.Color;
import android.view.Menu;
import android.widget.ArrayAdapter;
import android.widget.AutoCompleteTextView;

public class MainActivity extends Activity {
    String[] language = {"hp inkjet printer", "hp color-laser printer", "Samsung
Galaxy S7", "Samsung Galaxy S6"};

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        //Creating the instance of ArrayAdapter containing list of language names
        ArrayAdapter<String> adapter = new ArrayAdapter<String>
                (this, android.R.layout.select_dialog_item, language);
        //Getting the instance of AutoCompleteTextView
        AutoCompleteTextView actv = (AutoCompleteTextView)
findViewById(R.id.autoCompleteTextView1);
        actv.setThreshold(1);//will start working from first character
        actv.setAdapter(adapter);//setting the adapter data into the
AutoCompleteTextView
        actv.setTextColor(Color.RED);

    }

}
```
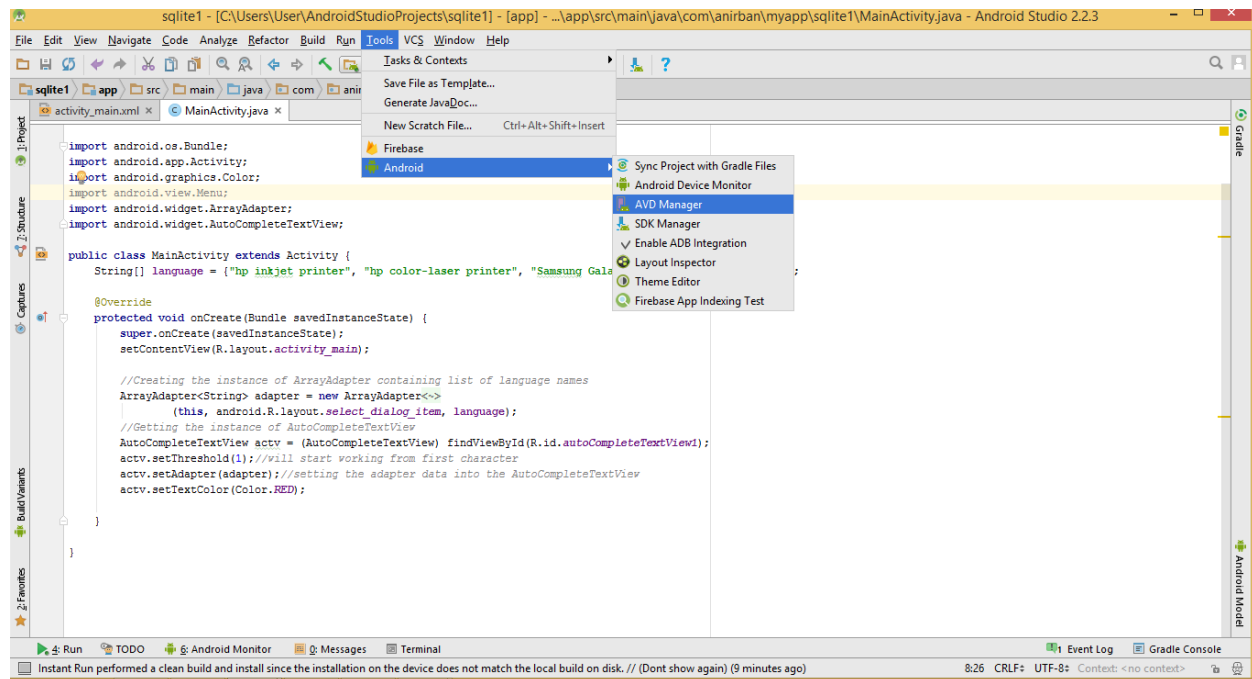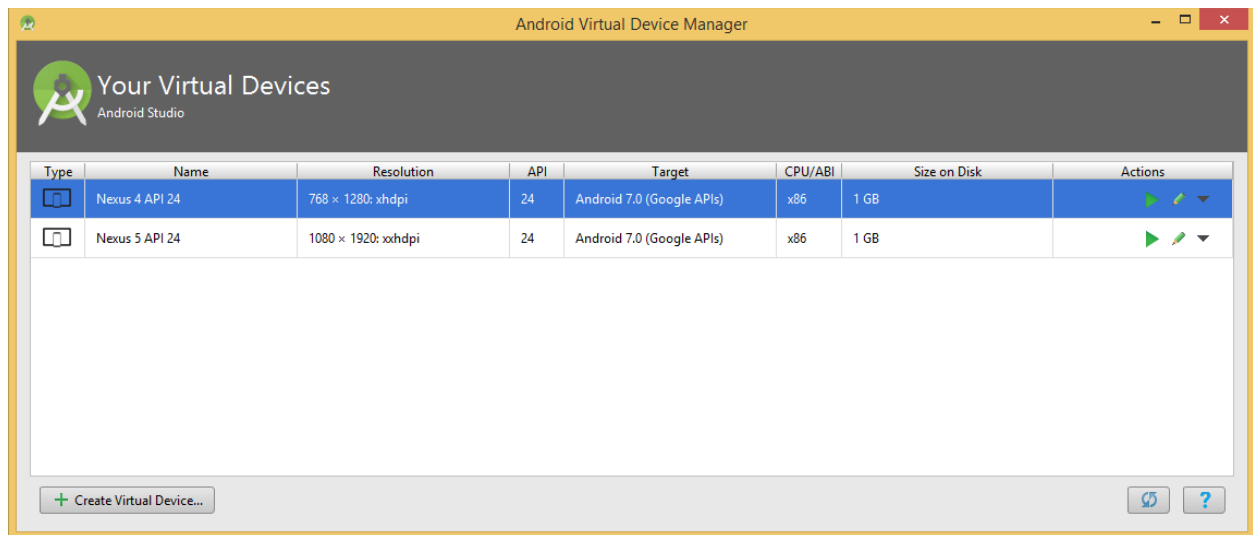
(1) To launch the AVD(Android Virtual Device) follows these steps:-

Tools--> Android -----> AVD Manager.

Now AVD Manager is shown Bellow:-

Choose An existing AVD or "Create Virtual Device" to create new AVD.

Then launch a particular AVD in Emulator.

Search the product here

Search the product here

in

hp inkjet printer