**TASK NO.01**

Create vertical linear layout also apply weights.

**CODING:**

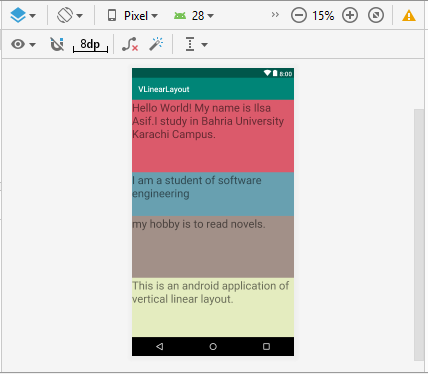
**Activity\_main.xml:**

*<?*xml version="1.0" encoding="utf-8"*?>*<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:app="http://schemas.android.com/apk/res-auto"  
 xmlns:tools="http://schemas.android.com/tools"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:orientation="vertical"  
 tools:ignore="ExtraText">  
  
 <TextView  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_weight="2"  
 android:text="Hello World! My name is Ilsa Asif.I study in Bahria University Karachi Campus."  
 android:textSize="28dp"  
 android:background="#db5a6b"/>  
  
 <TextView  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_weight="1"  
 android:text="I am a student of software engineering"  
 android:textSize="28dp"  
 android:background="#68a0b0"  
 />  
  
 <TextView  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_weight="3"  
 android:text="my hobby is to read novels."  
 android:textSize="28dp"  
 android:background="#a29088"/>  
  
 <TextView  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_weight="2"  
 android:text="This is an android application of vertical linear layout."  
 android:textSize="28dp"  
 android:background="#e4ecbf"/>  
</LinearLayout>

**ActivityMain.java:**

package com.example.vlinearlayout;  
  
import android.support.v7.app.AppCompatActivity;  
import android.os.Bundle;  
  
public class MainActivity extends AppCompatActivity {  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.activity\_main);  
 }  
}

**OUTPUT:**



**TASK NO.02**

Implement the design given below by using Linear Layout.

**CODING:**

**Activity\_main.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:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
  
 android:orientation="vertical">  
  
  
 <LinearLayout  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_weight="0.25"  
 android:orientation="horizontal"  
  
 >  
  
 <TextView  
 android:id="@+id/text"  
 android:layout\_width="260dp"  
 android:layout\_height="90dp"  
 android:gravity="center"  
 android:text="0"  
 android:textStyle="bold"  
 android:textSize="28dp"/>  
  
 <Button  
 android:id="@+id/btnC"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="90dp"  
 android:layout\_marginLeft="46dp"  
 android:text="@string/c"  
 android:textSize="28dp"/>  
 </LinearLayout>  
  
  
 <LinearLayout  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_weight="0.25"  
 android:orientation="horizontal"  
  
 >  
  
  
 <Button  
 android:id="@+id/btn7"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="90dp"  
 android:text="7"  
 android:textSize="28dp"/>  
  
 <Button  
 android:id="@+id/btn8"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="90dp"  
 android:text="8"  
 android:textSize="28dp"  
  
 />  
  
 <Button  
 android:id="@+id/btn9"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="90dp"  
 android:text="9"  
 android:textSize="28dp"/>  
  
 <Button  
 android:id="@+id/btna"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="90dp"  
 android:layout\_marginLeft="46dp"  
  
  
 android:text="+"  
 android:textSize="28dp"/>  
 </LinearLayout>  
  
  
 <LinearLayout  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_weight="0.25"  
 android:orientation="horizontal">  
  
 <Button  
 android:id="@+id/btn4"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="90dp"  
 android:text="4"  
 android:textSize="28dp"/>  
  
 <Button  
 android:id="@+id/btn5"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="90dp"  
 android:text="5"  
 android:textSize="28dp"  
  
 />  
  
 <Button  
 android:id="@+id/btn6"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="90dp"  
 android:text="6"  
 android:textSize="28dp"/>  
  
 <Button  
 android:id="@+id/btnb"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="90dp"  
 android:layout\_marginLeft="46dp"  
 android:text="-"  
 android:textSize="28dp"/>  
  
  
 </LinearLayout>  
  
 <LinearLayout  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_weight="0.25"  
 android:orientation="horizontal"  
  
 >  
  
 <Button  
 android:id="@+id/btn1"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="90dp"  
 android:text="1"  
 android:textSize="28dp"/>  
  
 <Button  
 android:id="@+id/btn2"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="90dp"  
 android:text="2"  
 android:textSize="28dp"  
  
 />  
  
 <Button  
 android:id="@+id/btn3"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="90dp"  
 android:text="3"  
 android:textSize="28dp"/>  
  
 <Button  
 android:id="@+id/btnc"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="90dp"  
 android:layout\_marginLeft="46dp"  
 android:text="\*"  
 android:textSize="28dp"/>  
  
  
 </LinearLayout>  
  
 <LinearLayout  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:orientation="horizontal"  
  
 >  
  
 <Button  
 android:id="@+id/btni"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="90dp"  
 android:text="."  
 android:textSize="28dp"/>  
  
 <Button  
 android:id="@+id/btn0"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="90dp"  
 android:text="0"  
 android:textSize="28dp"  
  
 />  
  
 <Button  
 android:id="@+id/btns"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="90dp"  
 android:text="="  
 android:textSize="28dp"/>  
  
 <Button  
 android:id="@+id/btnf"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="90dp"  
 android:layout\_marginLeft="46dp"  
 android:text="/"  
 android:textSize="28dp"/>  
 </LinearLayout>  
</LinearLayout>

**ActivityMain.java:**

package com.example.calculatorr;  
  
import android.support.v7.app.AppCompatActivity;  
import android.os.Bundle;  
  
public class MainActivity extends AppCompatActivity {  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*); }}

**OUTPUT:**

