**Assignment no.2**

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**Reg#:18-arid-2595**

<?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:context=".MainActivity">  
  
  
<LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:orientation="vertical"  
>  
  
  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
  
 android:text="CURRENCY \n CONVERTER"  
 android:layout\_gravity="center\_horizontal"  
 android:fontFamily="sans-serif"  
 android:textSize="23dp"  
 />  
  
</LinearLayout>  
 <LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:orientation="horizontal"  
 android:layout\_marginTop="10dp">  
 <Spinner  
 android:layout\_width="100dp"  
 android:layout\_height="20dp"  
 android:id="@+id/spin1"  
 />  
 <EditText  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_weight="1"  
 android:id="@+id/text1"  
 android:hint="currency"  
 />  
 </LinearLayout>  
  
  
  
  
  
 <LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:orientation="horizontal"  
 android:layout\_marginTop="10dp">  
 <Spinner  
 android:layout\_width="100dp"  
 android:layout\_height="20dp"  
 android:id="@+id/spin2"  
 />  
 <EditText  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_weight="1"  
 android:id="@+id/text2"  
 android:hint="currency"  
 />  
  
 </LinearLayout>  
  
 <Button  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="converter"  
 android:layout\_marginTop="12dp"  
 android:layout\_gravity="center"  
 android:id="@+id/converter"  
  
  
 />  
  
  
</LinearLayout>

package com.example.myapplication;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.os.Bundle;  
import android.view.KeyEvent;  
import android.view.View;  
import android.view.inputmethod.EditorInfo;  
import android.widget.ArrayAdapter;  
import android.widget.Button;  
import android.widget.EditText;  
import android.widget.Spinner;  
import android.widget.TextView;  
import android.widget.Toast;  
  
public class MainActivity extends AppCompatActivity {  
 Spinner s1,s2;  
 EditText t1,t2;  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
 s1=(Spinner) findViewById(R.id.*spin1*);  
 s2=(Spinner) findViewById(R.id.*spin2*);  
 String[] s=getResources().getStringArray(R.array.*currency*);  
 ArrayAdapter<String> adp=new ArrayAdapter<String>(this,R.layout.*support\_simple\_spinner\_dropdown\_item*,s);  
t1=(EditText)findViewById(R.id.*text1*);  
 t2=(EditText)findViewById(R.id.*text2*);  
  
  
// String[] s=getResources().getStringArray(R.array.currency);  
// ArrayAdapter<String> adp=new ArrayAdapter<String>(this,R.layout.support\_simple\_spinner\_dropdown\_item,s);  
 s2.setAdapter(adp);  
 s1.setAdapter(adp);  
 Button b=(Button) findViewById(R.id.*converter*);  
 b.setOnClickListener(new View.OnClickListener() {  
  
 String price;  
 @Override  
 public void onClick(View v) {  
 String from = s1.getSelectedItem().toString();  
 String to = s2.getSelectedItem().toString();  
 double g;  
 if (from.equals("PKR") ) {  
 switch (to) {  
 case "PKR": {  
 price=t1.getText().toString();  
 break;  
 }  
 case "USD": {  
 g=Float.*parseFloat*(t1.getText().toString());  
 g=g\*0.0058;  
 price=Double.*toString*(g);  
 break;  
 }  
 case "YEN": {  
 g=Float.*parseFloat*(t1.getText().toString());  
 g=g\*0.66;  
 price=Double.*toString*(g);  
 break;  
 }  
 case "EUR": {  
 g=Float.*parseFloat*(t1.getText().toString());  
 g=g\*0.0051;  
 price=Double.*toString*(g);  
  
 break;  
 }  
 }//switch end  
 t2.setText(price);  
 Toast.*makeText*(getApplicationContext(),price,Toast.*LENGTH\_LONG*).show();  
 }//if end  
 else if(from.equals("USD")){  
  
 switch (to) {  
 case "USD": {  
 price=t1.getText().toString();  
 break;  
 }  
 case "PKR": {  
 g=Float.*parseFloat*(t1.getText().toString());  
 g=g\*171.35;  
 price=Double.*toString*(g);  
 break;  
 }  
 case "YEN": {  
 g=Float.*parseFloat*(t1.getText().toString());  
 g=g\*113.91;  
 price=Double.*toString*(g);  
 break;  
 }  
 case "EUR": {  
 g=Float.*parseFloat*(t1.getText().toString());  
 g=g\*0.87;  
 price=Double.*toString*(g);  
  
 break;  
 }  
 }//switch end  
 t2.setText(price);  
 Toast.*makeText*(getApplicationContext(),price,Toast.*LENGTH\_LONG*).show();  
  
 }//else if  
  
 else if(from.equals("YEN")){  
  
 switch (to) {  
 case "YEN": {  
 price=t1.getText().toString();  
 break;  
 }  
 case "PKR": {  
 g=Float.*parseFloat*(t1.getText().toString());  
 g=g\*1.50;  
 price=Double.*toString*(g);  
 break;  
 }  
 case "USD": {  
 g=Float.*parseFloat*(t1.getText().toString());  
 g=g\*0.0088;  
 price=Double.*toString*(g);  
 break;  
 }  
 case "EUR": {  
 g=Float.*parseFloat*(t1.getText().toString());  
 g=g\*0.0076;  
 price=Double.*toString*(g);  
  
 break;  
 }  
 }//switch end  
 t2.setText(price);  
 Toast.*makeText*(getApplicationContext(),price,Toast.*LENGTH\_LONG*).show();  
  
 }//else if  
  
 else if(from.equals("EUR")){  
  
 switch (to) {  
 case "EUR": {  
 price=t1.getText().toString();  
 break;  
 }  
 case "PKR": {  
 g=Float.*parseFloat*(t1.getText().toString());  
 g=g\*196.86;  
 price=Double.*toString*(g);  
 break;  
 }  
 case "USD": {  
 g=Float.*parseFloat*(t1.getText().toString());  
 g=g\*1.15;  
 price=Double.*toString*(g);  
 break;  
 }  
 case "YEN": {  
 g=Float.*parseFloat*(t1.getText().toString());  
 g=g\*130.90;  
 price=Double.*toString*(g);  
  
 break;  
 }  
 }//switch end  
 t2.setText(price);  
 Toast.*makeText*(getApplicationContext(),price,Toast.*LENGTH\_LONG*).show();  
  
 }//else if  
  
  
 }  
 });  
  
 }  
}