Develop an android application for electricity bill.

MAIN ACTIVITY XML CODE :

*<?*xml version="1.0" encoding="utf-8"*?>*<androidx.constraintlayout.widget.ConstraintLayout 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"  
 tools:context=".MainActivity">  
  
 <TextView  
 android:id="@+id/textView"  
 android:layout\_width="90dp"  
 android:layout\_height="38dp"  
 android:background="#7F54CC"  
 android:text="NAME"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.137"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.196" />  
  
 <TextView  
 android:id="@+id/textView2"  
 android:layout\_width="92dp"  
 android:layout\_height="36dp"  
 android:background="#7F54CC"  
 android:text="PASSWORD"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.137"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.299" />  
  
 <EditText  
 android:id="@+id/editTextTextPersonName"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:ems="10"  
 android:inputType="textPersonName"  
 android:text="Name"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.8"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.29" />  
  
 <EditText  
 android:id="@+id/editTextTextPersonName2"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:ems="10"  
 android:inputType="textPersonName"  
 android:text="Name"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.796"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.188" />  
  
 <Button  
 android:id="@+id/button"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="LOGIN"  
 android:onClick="validate()"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.498"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.446"  
 tools:ignore="OnClick" />  
  
 <TextView  
 android:id="@+id/textView7"  
 android:layout\_width="194dp"  
 android:layout\_height="37dp"  
 android:background="#7F54CC"  
 android:text=" ELECTRICITY BILL"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.497"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.085" />  
  
</androidx.constraintlayout.widget.ConstraintLayout>

MAIN ACTIVITY JAVA CODE:

package com.example.myapplication;  
  
import androidx.annotation.Nullable;  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.content.Intent;  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
import android.widget.EditText;  
import android.widget.TextView;  
import android.widget.Toast;  
  
import java.text.BreakIterator;  
  
public class MainActivity extends AppCompatActivity {  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
 TextView t1=(TextView)findViewById(R.id.*textView*);  
 TextView t2=(TextView)findViewById(R.id.*textView2*);  
 EditText e1=(EditText)findViewById(R.id.*editTextTextPersonName*);  
 EditText e2=(EditText)findViewById(R.id.*editTextTextPersonName2*);  
 Button b1=(Button)findViewById(R.id.*button*);  
 b1.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View view) {  
 validate();  
 }  
 });  
 }  
  
 private BreakIterator e1,e2;  
 String name=e1.getText().toString();  
 String pass=e2.getText().toString();  
 int valid=1;  
 public void validate() {  
  
  
 if(name.length()==0) {  
 Toast.*makeText*(getApplicationContext(),"Invalid name",Toast.*LENGTH\_LONG*).show();  
 valid++;  
 }  
 if(pass.length()==0 ) {  
 Toast.*makeText*(getApplicationContext(),"Invalid name",Toast.*LENGTH\_LONG*).show();  
 valid++;  
 }  
 if(pass!="password123") {  
 Toast.*makeText*(getApplicationContext(),"Invalid name",Toast.*LENGTH\_LONG*).show();  
 valid++;  
 }  
 if(valid==1){  
 Toast.*makeText*(getApplicationContext(),"Successfull validation",Toast.*LENGTH\_LONG*).show();  
 Intent i= new Intent(getApplicationContext(),MainActivity2.class);  
 startActivity(i);  
 }  
 }  
  
}

MAIN ACTIVITY 2 XML CODE :

*<?*xml version="1.0" encoding="utf-8"*?>*<androidx.constraintlayout.widget.ConstraintLayout 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"  
 tools:context=".MainActivity2">  
  
 <TextView  
 android:id="@+id/textView3"  
 android:layout\_width="86dp"  
 android:layout\_height="41dp"  
 android:text="House NO"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.095"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.184" />  
  
 <EditText  
 android:id="@+id/editTextTextPersonName3"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:ems="10"  
 android:inputType="textPersonName"  
 android:text="House NO"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.646"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.179" />  
  
 <TextView  
 android:id="@+id/textView4"  
 android:layout\_width="82dp"  
 android:layout\_height="42dp"  
 android:text="Address"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.094"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.274" />  
  
 <EditText  
 android:id="@+id/editTextTextPersonName4"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:ems="10"  
 android:inputType="textPersonName"  
 android:text="Address"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.646"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.271" />  
  
 <TextView  
 android:id="@+id/textView5"  
 android:layout\_width="83dp"  
 android:layout\_height="42dp"  
 android:text="Phone No"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.093"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.361" />  
  
 <EditText  
 android:id="@+id/editTextTextPersonName5"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:ems="10"  
 android:inputType="textPersonName"  
 android:text="Phone NO"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.646"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.362" />  
  
 <TextView  
 android:id="@+id/textView6"  
 android:layout\_width="88dp"  
 android:layout\_height="41dp"  
 android:text="Electricity Used"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.091"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.458" />  
  
 <EditText  
 android:id="@+id/editTextTextPersonName6"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:ems="10"  
 android:inputType="textPersonName"  
 android:text="Electricity Used"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.646"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.46" />  
  
 <Button  
 android:id="@+id/button2"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="SUBMIT"  
 android:onClick="calculate()"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.428"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.573" />  
  
 <TextView  
 android:id="@+id/textView8"  
 android:layout\_width="101dp"  
 android:layout\_height="42dp"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.433"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.811" />  
  
</androidx.constraintlayout.widget.ConstraintLayout>

MAIN ACTIVITY 2 JAVA CODE

package com.example.myapplication;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
import android.widget.EditText;  
import android.widget.TextView;  
  
import java.text.BreakIterator;  
  
public class MainActivity2 extends AppCompatActivity {  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main2*);  
 TextView tv1=(TextView)findViewById(R.id.*textView3*);  
 TextView tv2=(TextView)findViewById(R.id.*textView4*);  
 TextView tv3=(TextView)findViewById(R.id.*textView5*);  
 TextView tv4=(TextView)findViewById(R.id.*textView6*);  
 TextView tv5=(TextView)findViewById(R.id.*textView8*);  
 EditText ev1=(EditText)findViewById(R.id.*editTextTextPersonName3*);  
 EditText ev2=(EditText)findViewById(R.id.*editTextTextPersonName4*);  
 EditText ev3=(EditText)findViewById(R.id.*editTextTextPersonName5*);  
 EditText ev4=(EditText)findViewById(R.id.*editTextTextPersonName6*);  
 Button bv1=(Button)findViewById(R.id.*button2*);  
 bv1.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View view) {  
 calculate();  
 }  
 });  
 }  
 public void calculate(){  
 int num=1000;  
  
 }  
}

OUTPUT :

