**Set 2**

package com.example.set2;  
import androidx.appcompat.app.AppCompatActivity;  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
import android.widget.EditText;  
import android.widget.RadioButton;  
import android.widget.TextView;  
public class MainActivity extends AppCompatActivity {  
EditText username,password,address,age;  
TextView gender,user,add,gen,pass,ag;  
Button submit;  
RadioButton male,female;  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
 username=findViewById(R.id.*username*);  
 password=findViewById(R.id.*password*);  
 address=findViewById(R.id.*address*);  
 age=findViewById(R.id.*age*);  
 gender=findViewById(R.id.*gender*);  
 male=findViewById(R.id.*male*);  
 female=findViewById(R.id.*female*);  
 submit=findViewById(R.id.*submit*);  
*//Display* user=findViewById(R.id.*user*);  
 pass=findViewById(R.id.*pass*);  
 add=findViewById(R.id.*add*);  
 gen=findViewById(R.id.*gen*);  
 ag=findViewById(R.id.*ag*);  
 submit.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View v) {  
 String name=username.getText().toString();  
 user.setText(name);  
 String pin=password.getText().toString();  
 pass.setText(pin);  
 String location=address.getText().toString();  
 add.setText(location);  
 String old=age.getText().toString();  
 ag.setText(old);  
 String category=null;  
 if(female.isChecked()){  
 category=female.getText().toString();  
 gen.setText(category);  
 }  
 else if(male.isChecked()){  
 category=male.getText().toString();  
 gen.setText(category);  
 }  
 }  
  
 });  
  
 }  
}

**XML**

*<?*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">  
 <EditText  
 android:id="@+id/username"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="10dp"  
 android:layout\_marginBottom="10dp"  
 android:ems="10"  
 android:hint="UserName"  
 android:inputType="textPersonName"  
 app:layout\_constraintBottom\_toTopOf="@+id/password"  
 app:layout\_constraintTop\_toTopOf="parent"  
 tools:layout\_editor\_absoluteX="0dp" />  
 <EditText  
 android:id="@+id/password"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="10dp"  
 android:layout\_marginBottom="10dp"  
 android:ems="10"  
 android:hint="Password"  
 android:inputType="textPassword"  
 app:layout\_constraintBottom\_toTopOf="@+id/address"  
 app:layout\_constraintTop\_toBottomOf="@+id/username"  
 tools:layout\_editor\_absoluteX="0dp" />  
 <EditText  
 android:id="@+id/address"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="10dp"  
 android:layout\_marginBottom="10dp"  
 android:ems="10"  
 android:hint="Address"  
 android:inputType="textPersonName"  
 app:layout\_constraintBottom\_toTopOf="@+id/gender"  
 app:layout\_constraintTop\_toBottomOf="@+id/password"  
 tools:layout\_editor\_absoluteX="0dp" />  
 <TextView  
 android:id="@+id/gender"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="10dp"  
 android:layout\_marginBottom="10dp"  
 android:text="Gender"  
 app:layout\_constraintBottom\_toTopOf="@+id/female"  
 app:layout\_constraintTop\_toBottomOf="@+id/address"  
 tools:layout\_editor\_absoluteX="0dp" />  
 <RadioGroup  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content" >  
  
 </RadioGroup>  
 <RadioButton  
 android:id="@+id/female"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="10dp"  
 android:layout\_marginBottom="10dp"  
 android:text="Female"  
 app:layout\_constraintBottom\_toTopOf="@+id/male"  
 app:layout\_constraintTop\_toBottomOf="@+id/gender"  
 tools:layout\_editor\_absoluteX="0dp" />  
 <RadioButton  
 android:id="@+id/male"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="10dp"  
 android:layout\_marginBottom="10dp"  
 android:text="Male"  
 app:layout\_constraintBottom\_toTopOf="@+id/age"  
 app:layout\_constraintTop\_toBottomOf="@+id/female"  
 tools:layout\_editor\_absoluteX="-16dp" />  
 <EditText  
 android:id="@+id/age"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="10dp"  
 android:layout\_marginBottom="10dp"  
 android:ems="10"  
 android:hint="Age"  
 android:inputType="textPersonName"  
 app:layout\_constraintBottom\_toTopOf="@+id/submit"  
 app:layout\_constraintTop\_toBottomOf="@+id/male"  
 tools:layout\_editor\_absoluteX="0dp" />  
 <Button  
 android:id="@+id/submit"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="10dp"  
 android:layout\_marginBottom="10dp"  
 android:text="Submit"  
 app:layout\_constraintBottom\_toTopOf="@+id/user"  
 app:layout\_constraintTop\_toBottomOf="@+id/age"  
 tools:layout\_editor\_absoluteX="0dp" />  
 <TextView  
 android:id="@+id/user"  
 android:layout\_width="match\_parent"  
 android:layout\_height="30dp"  
 android:layout\_marginTop="10dp"  
 android:layout\_marginBottom="8dp"  
 android:text="UserName"  
 app:layout\_constraintBottom\_toTopOf="@+id/pass"  
 app:layout\_constraintTop\_toBottomOf="@+id/submit"  
 tools:layout\_editor\_absoluteX="0dp" />  
 <TextView  
 android:id="@+id/pass"  
 android:layout\_width="match\_parent"  
 android:layout\_height="30dp"  
 android:layout\_marginTop="8dp"  
 android:layout\_marginBottom="8dp"  
 android:text="Password"  
 app:layout\_constraintBottom\_toTopOf="@+id/add"  
 app:layout\_constraintTop\_toBottomOf="@+id/user"  
 tools:layout\_editor\_absoluteX="0dp" />  
 <TextView  
 android:id="@+id/add"  
 android:layout\_width="match\_parent"  
 android:layout\_height="30dp"  
 android:layout\_marginTop="8dp"  
 android:layout\_marginBottom="8dp"  
 android:text="Address"  
 app:layout\_constraintBottom\_toTopOf="@+id/gen"  
 app:layout\_constraintTop\_toBottomOf="@+id/pass"  
 tools:layout\_editor\_absoluteX="0dp" />  
 <TextView  
 android:id="@+id/gen"  
 android:layout\_width="match\_parent"  
 android:layout\_height="30dp"  
 android:layout\_marginTop="8dp"  
 android:layout\_marginBottom="8dp"  
 android:text="Gender"  
 app:layout\_constraintBottom\_toTopOf="@+id/ag"  
 app:layout\_constraintTop\_toBottomOf="@+id/add"  
 tools:layout\_editor\_absoluteX="0dp" />  
 <TextView  
 android:id="@+id/ag"  
 android:layout\_width="match\_parent"  
 android:layout\_height="30dp"  
 android:layout\_marginTop="8dp"  
 android:layout\_marginBottom="8dp"  
 android:text="Age"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/gen"  
 tools:layout\_editor\_absoluteX="0dp" />  
</androidx.constraintlayout.widget.ConstraintLayout>

**SMS**

package com.example.sms;  
import androidx.appcompat.app.AppCompatActivity;  
import android.content.Intent;  
import android.net.Uri;  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
  
public class MainActivity extends AppCompatActivity {  
Button button;  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.activity\_main);  
 button=findViewById(R.id.button);  
 button.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View v) {  
 Intent intent = new Intent(Intent.ACTION\_SENDTO);  
 intent.setData(Uri.parse("sms:+917337474435"));  
 startActivity(intent);  
 }  
 });  
 }  
}

**Manifest:**

<uses-permission android:name="android.permission.RECEIVE\_SMS"/>  
<uses-permission android:name="android.permission.SEND\_SMS"/>  
<uses-permission android:name="android.permission.READ\_SMS"/>

**XML**

*<?*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">  
  
 <Button  
 android:id="@+id/button"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="Button"  
 tools:layout\_editor\_absoluteX="143dp"  
 tools:layout\_editor\_absoluteY="135dp" />  
</androidx.constraintlayout.widget.ConstraintLayout>

**RadioButton:**

package com.example.radiobutton;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
import android.widget.RadioButton;  
import android.widget.TextView;  
  
public class MainActivity extends AppCompatActivity {  
RadioButton cse,ece,it;  
Button button;  
TextView textView;  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
 cse=findViewById(R.id.*cse*);  
 ece=findViewById(R.id.*ece*);  
 it=findViewById(R.id.*it*);  
 button=findViewById(R.id.*button*);  
 textView=findViewById(R.id.*textView*);  
 button.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View v) {  
 String branch=null;  
 if(cse.isChecked()){  
 branch=cse.getText().toString();  
 textView.setText(branch);  
 }  
 if(ece.isChecked()){  
 branch=ece.getText().toString();  
 textView.setText(branch);  
 }  
 if(it.isChecked()){  
 branch=it.getText().toString();  
 textView.setText(branch);  
 }  
 }  
 });  
 }  
}

**XML**

*<?*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">  
  
 <RadioGroup  
 android:id="@+id/radioGroup"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content">  
  
 <RadioButton  
 android:id="@+id/cse"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="CSE" />  
  
 <RadioButton  
 android:id="@+id/ece"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="ECE" />  
  
 <RadioButton  
 android:id="@+id/it"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="IT" />  
 </RadioGroup>  
  
 <Button  
 android:id="@+id/button"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="130dp"  
 android:layout\_marginBottom="130dp"  
 android:text="Button"  
 app:layout\_constraintBottom\_toTopOf="@+id/textView"  
 app:layout\_constraintTop\_toBottomOf="@+id/radioGroup"  
 tools:layout\_editor\_absoluteX="0dp" />  
  
 <TextView  
 android:id="@+id/textView"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginBottom="260dp"  
 android:hint="Choose the Branch"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/button"  
 tools:layout\_editor\_absoluteX="67dp" />  
</androidx.constraintlayout.widget.ConstraintLayout>

**URL:**

package com.example.url;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.content.Intent;  
import android.net.Uri;  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
import android.widget.EditText;  
import android.widget.TextView;  
  
public class MainActivity extends AppCompatActivity {  
EditText url;  
Button button;  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
 url=findViewById(R.id.*url*);  
 button=findViewById(R.id.*button*);  
 button.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View v) {  
 String l=url.getText().toString();  
 Intent intent = new Intent(Intent.*ACTION\_VIEW*);  
 intent.setData(Uri.*parse*(l));  
 startActivity(intent);  
 }  
 });  
 }  
}

**XML:**

*<?*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">  
  
 <Button  
 android:id="@+id/button"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="124dp"  
 android:layout\_marginBottom="414dp"  
 android:text="Button"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/url"  
 tools:layout\_editor\_absoluteX="130dp" />  
  
 <EditText  
 android:id="@+id/url"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="100dp"  
 android:ems="10"  
 android:hint="Enter the URL"  
 android:inputType="textPersonName"  
 app:layout\_constraintTop\_toTopOf="parent"  
 tools:layout\_editor\_absoluteX="18dp" />  
</androidx.constraintlayout.widget.ConstraintLayout>

**Notification:**

package com.example.notif\_external;  
import androidx.appcompat.app.AppCompatActivity;  
import androidx.core.app.NotificationCompat;  
import androidx.core.app.NotificationManagerCompat;  
import android.app.NotificationChannel;  
import android.app.NotificationManager;  
import android.os.Build;  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
  
public class MainActivity extends AppCompatActivity {  
Button button;  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
 button=findViewById(R.id.*button*);  
  
 if(Build.VERSION.*SDK\_INT*>= Build.VERSION\_CODES.*O*){  
 NotificationChannel channel=new NotificationChannel("Notify","Notification", NotificationManager.*IMPORTANCE\_DEFAULT*);  
 NotificationManager manager=getSystemService(NotificationManager.class);  
 manager.createNotificationChannel(channel);  
 }  
  
 button.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View v) {  
 NotificationCompat.Builder builder=new NotificationCompat.Builder(MainActivity.this,"Notify");  
 builder.setContentTitle("Ishitha's Notification");  
 builder.setContentText("Hii this is Ishitha");  
 builder.setSmallIcon(R.drawable.*ic\_launcher\_background*);  
 builder.setAutoCancel(true);  
  
 NotificationManagerCompat managerCompat=NotificationManagerCompat.*from*(MainActivity.this);  
 managerCompat.notify(1,builder.build());  
 }  
 });  
 }  
}

**XML:**

*<?*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">  
  
 <Button  
 android:id="@+id/button"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="300dp"  
 android:layout\_marginBottom="300dp"  
 android:text="Button"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 tools:layout\_editor\_absoluteX="101dp" />  
</androidx.constraintlayout.widget.ConstraintLayout>

**ListView:**

package com.example.list\_external;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.content.Intent;  
import android.os.Bundle;  
import android.view.View;  
import android.widget.AdapterView;  
import android.widget.ArrayAdapter;  
import android.widget.ListView;  
  
import java.util.ArrayList;  
import java.util.List;  
  
public class MainActivity extends AppCompatActivity {  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
 ListView listview=findViewById(R.id.*listview*);  
 List<String> list= new ArrayList<>();  
 list.add("Isha");  
 list.add("Raghav");  
 ArrayAdapter arrayAdapter=new ArrayAdapter(getApplicationContext(), android.R.layout.*simple\_list\_item\_1*,list);  
 listview.setAdapter(arrayAdapter);  
 listview.setOnItemClickListener(new AdapterView.OnItemClickListener() {  
 @Override  
 public void onItemClick(AdapterView<?> parent, View view, int position, long id) {  
 if(position==0){  
 startActivity(new Intent(MainActivity.this,Isha.class));  
 }  
 if(position==1){  
 startActivity(new Intent(MainActivity.this,Raghav.class));  
 }  
 }  
 });  
 }  
}

**XML**

*<?*xml version="1.0" encoding="utf-8"*?>*<RelativeLayout  
 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">  
  
 <ListView  
 android:id="@+id/listview"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"/>  
  
</RelativeLayout>

**Manifest**

**For both list:**

android:parentActivityName=".MainActivity"

**Lists -> Ishitha-XML**

*<?*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=".Isha">  
  
 <TextView  
 android:id="@+id/itext"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="100dp"  
 android:layout\_marginTop="300dp"  
 android:layout\_marginEnd="100dp"  
 android:layout\_marginBottom="412dp"  
 android:text="Ishitha"  
 android:textSize="34sp"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent" />  
</androidx.constraintlayout.widget.ConstraintLayout>

**Isha-Java**

package com.example.list\_external;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.os.Bundle;  
import android.widget.TextView;  
  
public class Isha extends AppCompatActivity {  
TextView itext;  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_isha*);  
 itext=findViewById(R.id.*itext*);}  
}

**Raghav-XML**

*<?*xml version="1.0" encoding="utf-8"*?>*<androidx.constraintlayout.widget.ConstraintLayout  
 xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:tools="http://schemas.android.com/tools"  
 xmlns:app="http://schemas.android.com/apk/res-auto"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 tools:context=".Raghav">  
  
 <TextView  
 android:id="@+id/rtext"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="90dp"  
 android:layout\_marginTop="300dp"  
 android:layout\_marginEnd="90dp"  
 android:layout\_marginBottom="412dp"  
 android:text="Raghav"  
 android:textSize="34sp"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent" />  
</androidx.constraintlayout.widget.ConstraintLayout>

**Raghav-Java**

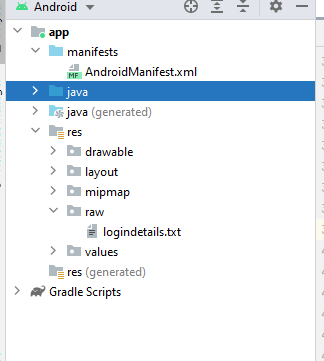
package com.example.list\_external;  
  
import androidx.appcompat.app.AppCompatActivity;  
import android.os.Bundle;  
import android.widget.TextView;  
  
public class Raghav extends AppCompatActivity {  
TextView rtext;  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_raghav*);  
 rtext=findViewById(R.id.*rtext*);  
 }  
}

**UserName & Password:-**

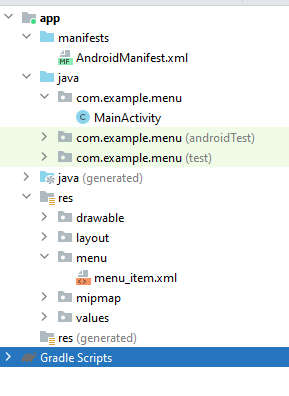
package com.example.user\_pass;  
import androidx.appcompat.app.AppCompatActivity;  
import android.app.AlertDialog;  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
import android.widget.EditText;  
import android.widget.TextView;  
import java.util.Scanner;  
public class MainActivity extends AppCompatActivity {  
EditText username,password;  
Button button;  
TextView display;  
Scanner data;  
String un,pass;  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
 username=findViewById(R.id.*username*);  
 password=findViewById(R.id.*password*);  
 display=findViewById(R.id.*display*);  
 button=findViewById(R.id.*button*);  
 button.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View v) {  
 boolean flag =false;  
 data=new Scanner(getResources().openRawResource(R.raw.*logindetails*));  
 while(data.hasNext()){  
 String [] user=data.nextLine().split("\\s+");  
 un=user[0];  
 pass=user[1]; if(username.getText().toString().equals(un)&&password.getText().toString().equals(pass)){  
 flag=true;  
 break;  
 }  
 }  
 if(flag){  
 display.setText("Login success");  
 new AlertDialog.Builder(MainActivity.this)  
 .setTitle("user Auth")  
 .setMessage("Login success!!")  
 .setCancelable(true).show();  
 }  
 else{  
 display.setText("Login Failed");  
 new AlertDialog.Builder(MainActivity.this)  
 .setTitle("User Auth")  
 .setMessage("Login Failed")  
 .setCancelable(true).show();  
 }  
 }  
 });  
 }  
}

**XML**

*<?*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">  
  
 <EditText  
 android:id="@+id/username"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="65dp"  
 android:ems="10"  
 android:hint="UserName"  
 android:inputType="textPersonName"  
 app:layout\_constraintTop\_toTopOf="parent"  
 tools:layout\_editor\_absoluteX="63dp" />  
  
 <EditText  
 android:id="@+id/password"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="40dp"  
 android:ems="10"  
 android:hint="Password"  
 android:inputType="textPersonName"  
 app:layout\_constraintTop\_toBottomOf="@+id/username"  
 tools:layout\_editor\_absoluteX="0dp" />  
  
 <Button  
 android:id="@+id/button"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="60dp"  
 android:text="Button"  
 app:layout\_constraintTop\_toBottomOf="@+id/password"  
 tools:layout\_editor\_absoluteX="147dp" />  
  
 <TextView  
 android:id="@+id/display"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="200dp"  
 android:layout\_marginBottom="196dp"  
 android:textSize="24sp"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/button"  
 tools:layout\_editor\_absoluteX="35dp" />  
  
</androidx.constraintlayout.widget.ConstraintLayout>



**Menu:**



package com.example.menu;  
  
import androidx.annotation.NonNull;  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.content.Intent;  
import android.net.Uri;  
import android.os.Bundle;  
import android.view.Menu;  
import android.view.MenuInflater;  
import android.view.MenuItem;  
import android.widget.Toast;  
  
public class MainActivity extends AppCompatActivity {  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
  
 }  
  
 @Override  
 public boolean onCreateOptionsMenu(Menu menu) {  
 MenuInflater inflater=getMenuInflater();  
 inflater.inflate(R.menu.*menu\_item*,menu);  
 return true;  
 }  
  
 @Override  
 public boolean onOptionsItemSelected(@NonNull MenuItem item) {  
 int id= item.getItemId();  
  
 if(id==R.id.*dail*){  
*// Toast.makeText(this, "Dail Number Clicked!", Toast.LENGTH\_SHORT).show();* Intent intent=new Intent(Intent.*ACTION\_DIAL*);  
 intent.setData(Uri.*parse*("tel:123456789"));  
 startActivity(intent);  
 }  
 if(id==R.id.*sms*){  
*// Toast.makeText(this, "SMS Clicked!", Toast.LENGTH\_SHORT).show();* Intent intent = new Intent(Intent.*ACTION\_SENDTO*);  
 intent.setData(Uri.*parse*("sms:123456789"));  
 startActivity(intent);  
 }  
 if(id==R.id.*website*){  
*// Toast.makeText(this, "Clicked Website!", Toast.LENGTH\_SHORT).show();* Intent intent = new Intent(Intent.*ACTION\_VIEW*);  
 intent.setData(Uri.*parse*("https://www.google.com/"));  
 startActivity(intent);  
 }  
 return super.onOptionsItemSelected(item);  
 }  
}

**XML:**

*<?*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:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Hello World!"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintLeft\_toLeftOf="parent"  
 app:layout\_constraintRight\_toRightOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent" />  
  
</androidx.constraintlayout.widget.ConstraintLayout>

**Main\_item.XML:**

*<?*xml version="1.0" encoding="utf-8"*?>*<menu xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:app="http://schemas.android.com/apk/res-auto">  
  
 <item  
 android:id="@+id/dail"  
 android:title="Dial Number"  
 app:showAsAction="never" />  
 <item  
 android:id="@+id/sms"  
 android:title="SMS"  
 app:showAsAction="never" />  
 <item  
 android:id="@+id/website"  
 android:title="Website"  
 app:showAsAction="never" />  
</menu>

**Manifest:**

<uses-permission android:name="android.permission.RECEIVE\_SMS"/>  
<uses-permission android:name="android.permission.SEND\_SMS"/>  
<uses-permission android:name="android.permission.READ\_SMS"/>  
<uses-permission android:name="android.permission.CALL\_PHONE" />