

**Practical:-10**

**Aim: Develop an android app which displays a form to get following Info.**

- 1.Username**
- 2.password**
- 3.Email**
- 4.phone number**
- 5.state**
- 6.country**

**Form should be followed by a “Submit” button.**

**when clicked shows the entered information**

**(List of states should be displayed in spinner automatically)**

**<activity\_main.xml>**

```
<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/editName"
    android:layout_width="262dp"
    android:layout_height="49dp"
    android:ems="10"
    android:inputType="text"
    android:text="Name"
    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="0.116" />
```

```
<EditText
    android:id="@+id/editPassword"
    android:layout_width="262dp"
    android:layout_height="49dp"
    android:ems="10"
    android:inputType="textPassword"
    android:text="Pass"
    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="0.217" />
```

```
<EditText
```

```
    android:id="@+id/editEmail"
    android:layout_width="262dp"
    android:layout_height="49dp"
    android:ems="10"
    android:inputType="textEmailAddress"
    android:text="Mail"
    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="0.322" />
```

```
<Spinner
```

```
    android:id="@+id/state_spn"
    android:layout_width="262dp"
    android:layout_height="53dp"
    android:entries="@array/state_array"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.494"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.532" />
```

```
<Spinner
```

```
    android:id="@+id/country_spn"
    android:layout_width="262dp"
    android:layout_height="53dp"
    android:entries="@array/country_array"
    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="0.633" />
```

```
<Button
```

```
    android:id="@+id/button"
    android:layout_width="262dp"
    android:layout_height="50dp"
    android:text="Submit"
    android:textSize="20sp"
    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="0.759" />

<EditText
    android:id="@+id/editPhone"
    android:layout_width="262dp"
    android:layout_height="49dp"
    android:ems="10"
    android:text="Phone"
    android:inputType="phone"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.494"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.42" />
</androidx.constraintlayout.widget.ConstraintLayout>
```

## &lt;activity\_main2.xml&gt;

```
<?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/textView"
    android:layout_width="262dp"
    android:layout_height="49dp"
    android:text="TextView"

    android:textSize="20sp"
    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="0.102" />

<TextView
    android:id="@+id/textView2"
    android:layout_width="262dp"
    android:layout_height="49dp"
    android:text="TextView"

    android:textSize="20sp"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.496"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.218" />

<TextView
    android:id="@+id/textView3"
    android:layout_width="262dp"
    android:layout_height="49dp"
    android:text="TextView"

    android:textSize="20sp"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.496"
```

```
app:layout_constraintStart_toStartOf="parent"  
app:layout_constraintTop_toTopOf="parent"  
app:layout_constraintVertical_bias="0.332" />
```

```
<TextView  
    android:id="@+id/textView4"  
    android:layout_width="262dp"  
    android:layout_height="49dp"  
    android:text="TextView"  
  
    android:textSize="20sp"  
    app:layout_constraintBottom_toBottomOf="parent"  
    app:layout_constraintEnd_toEndOf="parent"  
    app:layout_constraintHorizontal_bias="0.496"  
    app:layout_constraintStart_toStartOf="parent"  
    app:layout_constraintTop_toTopOf="parent"  
    app:layout_constraintVertical_bias="0.457" />
```

```
<TextView  
    android:id="@+id/textView5"  
    android:layout_width="262dp"  
    android:layout_height="49dp"  
    android:text="TextView"  
  
    android:textSize="20sp"  
    app:layout_constraintBottom_toBottomOf="parent"  
    app:layout_constraintEnd_toEndOf="parent"  
    app:layout_constraintHorizontal_bias="0.496"  
    app:layout_constraintStart_toStartOf="parent"  
    app:layout_constraintTop_toTopOf="parent"  
    app:layout_constraintVertical_bias="0.587" />
```

```
<TextView  
    android:id="@+id/textView6"  
    android:layout_width="262dp"  
    android:layout_height="49dp"  
    android:text="TextView"  
  
    android:textSize="20sp"  
    app:layout_constraintBottom_toBottomOf="parent"  
    app:layout_constraintEnd_toEndOf="parent"  
    app:layout_constraintHorizontal_bias="0.496"  
    app:layout_constraintStart_toStartOf="parent"  
    app:layout_constraintTop_toTopOf="parent"  
    app:layout_constraintVertical_bias="0.724" />  
</androidx.constraintlayout.widget.ConstraintLayout>
```

**<strings.xml>**

```
<resources>
  <string name="app_name">P10</string>
  <string-array name="state_array">
    <item>State</item>
    <item>Gujarat</item>
    <item>UP</item>
    <item>MP</item>
    <item>AP</item>
  </string-array>
  <string-array name="country_array">
    <item>Country</item>
    <item>India</item>
    <item>US</item>
    <item>UK</item>
    <item>Australia</item>
  </string-array>
  <string name="title_activity_main2">MainActivity2</string>
  <!-- Strings used for fragments for navigation -->
  <string name="first_fragment_label">First Fragment</string>
  <string name="second_fragment_label">Second Fragment</string>
  <string name="next">Next</string>
  <string name="previous">Previous</string>

</resources>
```

## &lt;MainActivity.java&gt;

```
package com.example.pr10;
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.Spinner;
public class MainActivity extends AppCompatActivity {
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);

        EditText name = findViewById(R.id.editName);
        EditText password = findViewById(R.id.editPassword);
        EditText mail = findViewById(R.id.editEmail);
        EditText phone = findViewById(R.id.editPhone);
        Spinner state = findViewById(R.id.state_spn);
        Spinner country = findViewById(R.id.country_spn);
        Button btn = findViewById(R.id.button);

        btn.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                Intent i = new Intent(MainActivity.this, MainActivity2.class);

                String NAME = name.getText().toString();
                String PASSWORD = password.getText().toString();
                String MAIL = mail.getText().toString();
                String PHONE = phone.getText().toString();
                String STATE = state.getSelectedItem().toString();
                String COUNTRY = country.getSelectedItem().toString();

                i.putExtra("Name", NAME);
                i.putExtra("Password", PASSWORD);
                i.putExtra("Mail", MAIL);
                i.putExtra("Phone", PHONE);
                i.putExtra("State", STATE);
                i.putExtra("Country", COUNTRY);

                startActivity(i);
            }
        });
    }
}
```

## &lt;MainActivity2.java&gt;

```
package com.example.pr10;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.widget.TextView;

public class MainActivity2 extends AppCompatActivity {

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main2);

        TextView TVNAME = findViewById(R.id.textView);
        TextView TVPASS = findViewById(R.id.textView2);
        TextView TVMAIL = findViewById(R.id.textView3);
        TextView TVPHONE = findViewById(R.id.textView4);
        TextView TVSTATE = findViewById(R.id.textView5);
        TextView TVCOUNTRY = findViewById(R.id.textView6);

        Intent i2 = getIntent();
        String Name = i2.getStringExtra("Name");
        String Password = i2.getStringExtra("Password");
        String Mail = i2.getStringExtra("Mail");
        String Phone = i2.getStringExtra("Phone");
        String State = i2.getStringExtra("State");
        String Country = i2.getStringExtra("Country");

        TVNAME.setText("Username :" +Name);
        TVPASS.setText("Password :" +Password);
        TVMAIL.setText("Email :" +Mail);
        TVPHONE.setText("Phone :" +Phone);
        TVSTATE.setText("State :" +State);
        TVCOUNTRY.setText("Country :"+Country);
    }
}
```



**Output Screenshots :**

Kushal

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abc@gmail.com

9988776655

Gujarat

India

Submit

Username : Kushal

Password : 123456

Email : abc@gmail.com

Phone : 9988776655

State : Gujarat

Country : India