

## Main\_Activity.java

```

package com.example.pg17;
import android.os.Bundle;
import android.widget.TextView;
import androidx.appcompat.app.AppCompatActivity;

public class MainActivity extends AppCompatActivity {

    TextView textViewName, textViewClass, textViewCollege, textViewAddress,
    textViewPhone;

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

        textViewName = findViewById(R.id.textViewName);
        textViewClass = findViewById(R.id.textViewClass);
        textViewCollege = findViewById(R.id.textViewCollege);
        textViewAddress = findViewById(R.id.textViewAddress);
        textViewPhone = findViewById(R.id.textViewPhone);

        // Set student details
        textViewName.setText("John Doe");
        textViewClass.setText("12th Grade");
        textViewCollege.setText("XYZ College");
        textViewAddress.setText("123 Main Street, City, Country");
        textViewPhone.setText("123-456-7890");
    }
}

```

## Activity.xml

```

<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout 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:padding="16dp"
    tools:context=".MainActivity">

    <TextView
        android:id="@+id/textViewNameLabel"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Name:"
        android:textSize="18sp" />

    <TextView
        android:id="@+id/textViewName"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_below="@id/textViewNameLabel"
        android:text=""
        android:textSize="20sp" />

```

```

<TextView
    android:id="@+id/textViewClassLabel"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_below="@id/textViewName"
    android:layout_marginTop="16dp"
    android:text="Class:"
    android:textSize="18sp" />

<TextView
    android:id="@+id/textViewClass"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_below="@id/textViewClassLabel"
    android:text=""
    android:textSize="20sp" />

<TextView
    android:id="@+id/textViewCollegeLabel"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_below="@id/textViewClass"
    android:layout_marginTop="16dp"
    android:text="College:"
    android:textSize="18sp" />

<TextView
    android:id="@+id/textViewCollege"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_below="@id/textViewCollegeLabel"
    android:text=""
    android:textSize="20sp" />

<TextView
    android:id="@+id/textViewAddressLabel"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_below="@id/textViewCollege"
    android:layout_marginTop="16dp"
    android:text="Address:"
    android:textSize="18sp" />

<TextView
    android:id="@+id/textViewAddress"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_below="@id/textViewAddressLabel"
    android:text=""
    android:textSize="20sp" />

<TextView
    android:id="@+id/textViewPhoneLabel"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_below="@id/textViewAddress"
    android:layout_marginTop="16dp"
    android:text="Phone Number:"
    android:textSize="18sp" />

<TextView

```

```

        android:id="@+id/textViewPhone"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_below="@id/textViewPhoneLabel"
        android:text=""
        android:textSize="20sp" />
    </RelativeLayout>

```

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Main\_Activity.java

```

package com.example.pg23;

import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.TextView;
import androidx.appcompat.app.AppCompatActivity;

public class MainActivity extends AppCompatActivity {

    EditText editTextName, editTextAge;
    Button buttonSubmit;
    TextView textViewResult;

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

        editTextName = findViewById(R.id.editTextName);
        editTextAge = findViewById(R.id.editTextAge);
        buttonSubmit = findViewById(R.id.buttonSubmit);
        textViewResult = findViewById(R.id.textViewResult);

        buttonSubmit.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                String name = editTextName.getText().toString();
                String age = editTextAge.getText().toString();

                // Display the entered details in the TextView
                textViewResult.setText("Name: " + name + "\nAge: " + age);
            }
        });
    }
}

```

activity.xml

```

<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout 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:padding="16dp"
        tools:context=".MainActivity">

        <EditText
            android:id="@+id/editTextName"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:hint="Enter Name"
            android:inputType="text" />

        <EditText
            android:id="@+id/editTextAge"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_below="@id/editTextName"
            android:layout_marginTop="16dp"
            android:hint="Enter Age"
            android:inputType="number" />

        <Button
            android:id="@+id/buttonSubmit"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_below="@id/editTextAge"
            android:layout_marginTop="16dp"
            android:text="Submit" />

        <TextView
            android:id="@+id/textViewResult"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_below="@id/buttonSubmit"
            android:layout_marginTop="16dp"
            android:text=""
            android:textSize="20sp" />

</RelativeLayout>

```

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Main\_Activity.java

```

package com.example.p3;

import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.ArrayAdapter;
import android.widget.Button;
import android.widget.EditText;
import android.widget.RadioButton;
import android.widget.RadioGroup;
import android.widget.Spinner;
import android.widget.TextView;

public class MainActivity extends AppCompatActivity implements
View.OnClickListener {

    EditText etUserName, etPassword, etAddress, etAge;
    RadioGroup rgGender;

```

```

RadioButton rbMale, rbFemale;
Button btnDOB, btnSubmit;
Spinner spinnerState;
TextView tvResult;

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

    etUserName = findViewById(R.id.etUserName);
    etPassword = findViewById(R.id.etPassword);
    etAddress = findViewById(R.id.etAddress);
    etAge = findViewById(R.id.etAge);
    rgGender = findViewById(R.id.rgGender);
    rbMale = findViewById(R.id.rbMale);
    rbFemale = findViewById(R.id.rbFemale);
    btnDOB = findViewById(R.id.btnDOB);
    btnSubmit = findViewById(R.id.btnSubmit);
    spinnerState = findViewById(R.id.spinnerState);

    // Populate the Spinner with states from string-array resource
    ArrayAdapter<CharSequence> adapter =
        ArrayAdapter.createFromResource(this,
            R.array.State, android.R.layout.simple_spinner_item);

    adapter.setDropDownViewResource(android.R.layout.simple_spinner_dropdown_item);

    spinnerState.setAdapter(adapter);
    tvResult = findViewById(R.id.tvResult);

    btnSubmit.setOnClickListener(this);
}

@Override
public void onClick(View v) {
    if (v.getId() == R.id.btnSubmit) {
        String userName = etUserName.getText().toString();
        String password = etPassword.getText().toString();
        String address = etAddress.getText().toString();
        String age = etAge.getText().toString();
        String gender = "";
        if (rbMale.isChecked()) {
            gender = "Male";
        } else if (rbFemale.isChecked()) {
            gender = "Female";
        }
        String dob = btnDOB.getText().toString();
        String state = spinnerState.getSelectedItem().toString();

        tvResult.setText("User Name: " + userName + "\n" +
            "Password: " + password + "\n" +
            "Address: " + address + "\n" + "Age: " + age + "\n" +
            "Gender: " + gender + "\n" +
            "Date of Birth: " + dob + "\n" +
            "State: " + state);
    }
}
}

```

## Activity.xml

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical">

    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="User Name" />

    <EditText
        android:id="@+id/etUserName"
        android:layout_width="match_parent"
        android:layout_height="wrap_content" />

    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Password" />

    <EditText
        android:id="@+id/etPassword"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:inputType="textPassword" />

    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Address" />

    <EditText
        android:id="@+id/etAddress"
        android:layout_width="match_parent"
        android:layout_height="wrap_content" />

    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Gender" />

    <RadioGroup
        android:id="@+id/rgGender"
        android:layout_width="match_parent"
        android:layout_height="wrap_content">

        <RadioButton
            android:id="@+id/rbMale"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text="Male" />

        <RadioButton
            android:id="@+id/rbFemale"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text="Female" />

    </RadioGroup>

</LinearLayout>
```

```

</RadioGroup>

<TextView
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Age" />

<EditText
    android:id="@+id/etAge"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:inputType="number" />

<TextView
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Date of Birth" />

<Button
    android:id="@+id/btnDOB"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:text="Select Date of Birth" />

<TextView
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="State" />

<Spinner
    android:id="@+id/spinnerState"
    android:layout_width="match_parent"
    android:layout_height="wrap_content" />

<Button
    android:id="@+id/btnSubmit"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:text="Submit" />

<DatePicker
    android:id="@+id/btnDOB"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content" />

<TextView
    android:id="@+id/tvResult"
    android:layout_width="match_parent"
    android:layout_height="wrap_content" />

</LinearLayout>

```

## Strings.xml

```

<resources>
    <string name="app_name">labexp4</string>
    <string-array name="State">
        <item>Telangana</item>
        <item>Andhra Pradesh</item>
    
```

```
    <item>Delhi</item>
    <item>Kerala</item>
    <!-- Add more states as needed -->
  </string-array>
</resources>
```