Practical – 11 : Make Android App for registration form.

Activity_main.xml

```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/editTextTextPersonName"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="78dp"
        android:layout_marginBottom="20dp"
        android:ems="10"
        android:hint="Your Full Name"
        android:inputType="textPersonName"
        app:layout_constraintBottom_toTopOf="@+id/spinner"
        app:layout_constraintStart_toStartOf="@+id/spinner"
        app:layout_constraintTop_toTopOf="parent" />

    <EditText
        android:id="@+id/editTextTextPersonName2"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginBottom="22dp"
        android:ems="10"
        android:hint="Username"
        android:inputType="textPersonName"
        app:layout_constraintBottom_toTopOf="@+id/editTextTextPassword"
        app:layout_constraintStart_toStartOf="@+id/spinner"
        app:layout_constraintTop_toBottomOf="@+id/spinner" />

    <EditText
        android:id="@+id/editTextTextPassword"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginBottom="42dp"
        android:ems="10"
        android:hint="Password"
        android:inputType="textPassword"
        app:layout_constraintBottom_toTopOf="@+id/editTextPhone"
        app:layout_constraintStart_toStartOf="@+id/editTextTextPersonName2"
        app:layout_constraintTop_toBottomOf="@+id/editTextTextPersonName2"
/>

    <EditText
        android:id="@+id/editTextPhone"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginBottom="44dp"
        android:ems="10"
        android:hint="Mobile No."
        android:inputType="phone"
        app:layout_constraintBottom_toTopOf="@+id/editTextTextEmailAddress"
        app:layout_constraintStart_toStartOf="@+id/editTextTextPassword"
```

```xml
            app:layout_constraintTop_toBottomOf="@+id/editTextTextPassword" />

        <EditText
            android:id="@+id/editTextTextEmailAddress"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_marginStart="4dp"
            android:layout_marginBottom="45dp"
            android:ems="10"
            android:hint="Email"
            android:inputType="textEmailAddress"
            app:layout_constraintBottom_toTopOf="@+id/checkBox"
            app:layout_constraintStart_toStartOf="@+id/editTextPhone"
            app:layout_constraintTop_toBottomOf="@+id/editTextPhone" />

        <CheckBox
            android:id="@+id/checkBox"
            android:layout_width="273dp"
            android:layout_height="31dp"
            android:layout_marginBottom="67dp"
            android:text="I accept terms and conditions"
            app:layout_constraintBottom_toTopOf="@+id/button"
            app:layout_constraintEnd_toEndOf="parent"
            app:layout_constraintHorizontal_bias="0.746"
            app:layout_constraintStart_toStartOf="parent"
            app:layout_constraintTop_toBottomOf="@+id/editTextTextEmailAddress"
    />

        <Button
            android:id="@+id/button"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_marginBottom="35dp"
            android:text="Register"
            app:layout_constraintBottom_toBottomOf="parent"
            app:layout_constraintEnd_toEndOf="parent"
            app:layout_constraintStart_toStartOf="parent"
            app:layout_constraintTop_toBottomOf="@+id/checkBox" />

        <Spinner
            android:id="@+id/spinner"
            android:layout_width="214dp"
            android:layout_height="0dp"
            android:layout_marginBottom="19dp"
            app:layout_constraintBottom_toTopOf="@+id/editTextTextPersonName2"
            app:layout_constraintEnd_toEndOf="parent"
            app:layout_constraintStart_toStartOf="parent"
            app:layout_constraintTop_toBottomOf="@+id/editTextTextPersonName"
    />
</androidx.constraintlayout.widget.ConstraintLayout>
```

MainActivity.java

```java
package com.example.registration;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;
import android.widget.ArrayAdapter;
import android.widget.Spinner;
```

```java
public class MainActivity extends AppCompatActivity {

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        String[] arraySpinner = new String[] {
                "Male","Female"
        };
        Spinner s = (Spinner) findViewById(R.id.spinner);
        ArrayAdapter<String> adapter = new ArrayAdapter<String>(this,
                android.R.layout.simple_spinner_item, arraySpinner);

adapter.setDropDownViewResource(android.R.layout.simple_spinner_dropdown_item);
        s.setAdapter(adapter);
    }
}
```

Output:

registration

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Male ▾

PG

••••••

7283889206

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☑ I accept terms and conditions

REGISTER

registration

Your Full Name

Male ▼

Username

Password

Mobile No.

Email

☐ I accept terms and conditions

REGISTER