6. Create a screen that has input boxes for Name, Address, Gender (radio buttons for male and female), Age (numeric), Date of Birth (Date Picket), State (Spinner) and a Submit button. On clicking the submit button, print all the data below the Submit Button.

Activity\_main.xml:

*<?***xml version="1.0" encoding="utf-8"***?>*<**layout  
 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"  
 tools:context=".MainActivity"** >  
 <**LinearLayout  
 android:orientation="vertical"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"** >  
  
  
 <**TextView  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="Registration From !"  
 android:textSize="20dp"  
 android:textColor="@color/colorPrimary"  
 android:gravity="center"** />  
  
 <**EditText  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:hint="Enter the User name"  
 android:layout\_margin="1dp"  
 android:id="@+id/et\_name"**/>  
 <**EditText  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:hint="Enter the Roll number"  
 android:layout\_margin="1dp"  
 android:id="@+id/et\_roll"**/>  
 <**EditText  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_margin="10dp"  
 android:inputType="textEmailAddress"  
 android:hint="Enter the User email"  
 android:id="@+id/email"**/>  
  
 <**EditText  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_margin="1dp"  
 android:inputType="number"  
 android:hint="Enter the User mobile number"  
 android:id="@+id/et\_mobilenumber"**/>  
 <**Button  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/date"  
 android:text="Select Date of birth"**/>  
 <**EditText  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_margin="1dp"  
 android:inputType="number"  
 android:hint="Enter Your Age"  
 android:id="@+id/age"**/>  
 <**EditText  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_margin="1dp"  
 android:inputType="text"  
 android:hint="Enter Your Address"  
 android:id="@+id/address"**/>  
  
 <**LinearLayout  
 android:layout\_width="match\_parent"  
 android:orientation="vertical"  
 android:layout\_height="wrap\_content"**>  
 <**RadioGroup  
 android:layout\_width="wrap\_content"  
 android:orientation="horizontal"  
 android:layout\_margin="2dp"  
 android:layout\_height="wrap\_content"**>  
 <**RadioButton  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="male"  
 android:layout\_margin="10dp"  
 android:id="@+id/male"**/>  
 <**RadioButton  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="female"  
 android:layout\_margin="10dp"  
 android:id="@+id/female"**/>  
 </**RadioGroup**>  
  
 </**LinearLayout**>  
  
 <**Spinner  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/spinner\_states"  
 android:entries="@array/states"**/>  
 <**Button  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="submit"  
 android:id="@+id/submit\_btn\_id"  
 android:layout\_gravity="center"**/>  
 <**ScrollView  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"**>  
 <**TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/tv"  
 android:textSize="30sp"  
 android:autoLink="all"  
 android:layout\_margin="1dp"**/>  
 </**ScrollView**>  
  
 </**LinearLayout**>  
</**layout**>

MainActivity.java:

**package** com.example.registration\_form;

**import** androidx.appcompat.app.AppCompatActivity;

**import** androidx.databinding.DataBindingUtil;

**import** android.app.DatePickerDialog;

**import** android.os.Bundle;

**import** android.view.View;

**import** android.widget.Button;

**import** android.widget.DatePicker;

**import** android.widget.Toast;

**import** java.util.Calendar;

**import** com.example.registration\_form.databinding.ActivityMainBinding;

**public class** MainActivity **extends** AppCompatActivity **implements** View.OnClickListener{

ActivityMainBinding **binding**;

String **gender**;

String **lang**;

Button **datepicker**;

**int c\_year**,**c\_month**,**c\_date**;

@Override

**protected void** onCreate(Bundle savedInstanceState) {

**super**.onCreate(savedInstanceState);**binding**= DataBindingUtil.*setContentView*(**this**

,R.layout.***activity\_main***);

**datepicker**=findViewById(R.id.***date***);

**datepicker**.setOnClickListener(**this**);

**binding**.**submitBtnId**.setOnClickListener(**new** View.OnClickListener() {

@Override

**public void** onClick(View v) {

**if** (**binding**.**male**.isChecked()){

**gender**=**"Male"**;

}**else** {

**gender**=**"Female"**;

}

**binding**.**tv**.setText(**"name :"**+**binding**.**etName**.getText().toString()+**"\n"**+

**"Number "**+**binding**.**etMobilenumber**.getText().toString()+**"\n"**+

**binding**.**email**.getText().toString()+**"\n"**+

**binding**.**age**.getText().toString()+**"\n"**+**binding**.**address**.getText().toString()+**"\n"**+

**gender**+**"\n"**+**binding**.**date**.getText().toString()+**"\n"**+

**binding**.**spinnerStates**.getSelectedItem().toString()+**"\n"**+**lang**);

}

});

}

@Override

**public void** onClick(View view) {

**switch** (view.getId()){

**case** R.id.***date***:

openDatepicker();

**break**;

}

}

**private void** openDatepicker() {

Calendar c = Calendar.*getInstance*();

**c\_year** = c.get(Calendar.***YEAR***);

**c\_month** = c.get(Calendar.***MONTH***);

**c\_date** = c.get(Calendar.***DAY\_OF\_MONTH***);

*//DatePickerDialog is a class predefined*

DatePickerDialog datePickerDialog = **new** DatePickerDialog(**this**, **new** DatePickerDialog.OnDateSetListener() {

@Override

**public void** onDateSet(DatePicker datePicker, **int** i, **int** i1, **int** i2) {

String mydate = i + **"-"** + (i1 + 1) + **"-"** + i2;

Toast.*makeText*(MainActivity.**this**, mydate, Toast.***LENGTH\_SHORT***).show();

}

}, **c\_year**, **c\_month**, **c\_date**);

datePickerDialog.show();

}

}

strings.xml:

<**resources**>

<**string-array name="states"**>

<**item**>Andhra Pradesh</**item**>

<**item**>Arunachal Pradesh</**item**>

<**item**>Assam</**item**>

<**item**>Bihar</**item**>

<**item**>Chhattisgarh</**item**>

<**item**>Goa</**item**>

<**item**>Gujarat</**item**>

<**item**>Haryana</**item**>

<**item**>Telangana</**item**>

</**string-array**>

</**resources**>

Build.gradle(:app):

apply **plugin**: **'com.android.application'**

android **{**

compileSdkVersion 30

buildToolsVersion **"30.0.2"**

defaultConfig **{**

applicationId **"com.example.registration\_form"**

minSdkVersion 14

targetSdkVersion 30

versionCode 1

versionName **"1.0"**

testInstrumentationRunner **"androidx.test.runner.AndroidJUnitRunner"**

**}**

buildTypes **{**

release **{**

minifyEnabled **false**

proguardFiles getDefaultProguardFile(**'proguard-android-optimize.txt'**), **'proguard-rules.pro'**

**}**

**}**

dataBinding**{**

enabled=**true**

**}**

**}**

dependencies **{**

implementation fileTree(**dir**: **"libs"**, **include**: [**"\*.jar"**])

implementation **'androidx.appcompat:appcompat:1.2.0'**

implementation **'androidx.constraintlayout:constraintlayout:2.0.1'**

testImplementation **'junit:junit:4.12'**

androidTestImplementation **'androidx.test.ext:junit:1.1.2'**

androidTestImplementation **'androidx.test.espresso:espresso-core:3.3.0'**

**}**