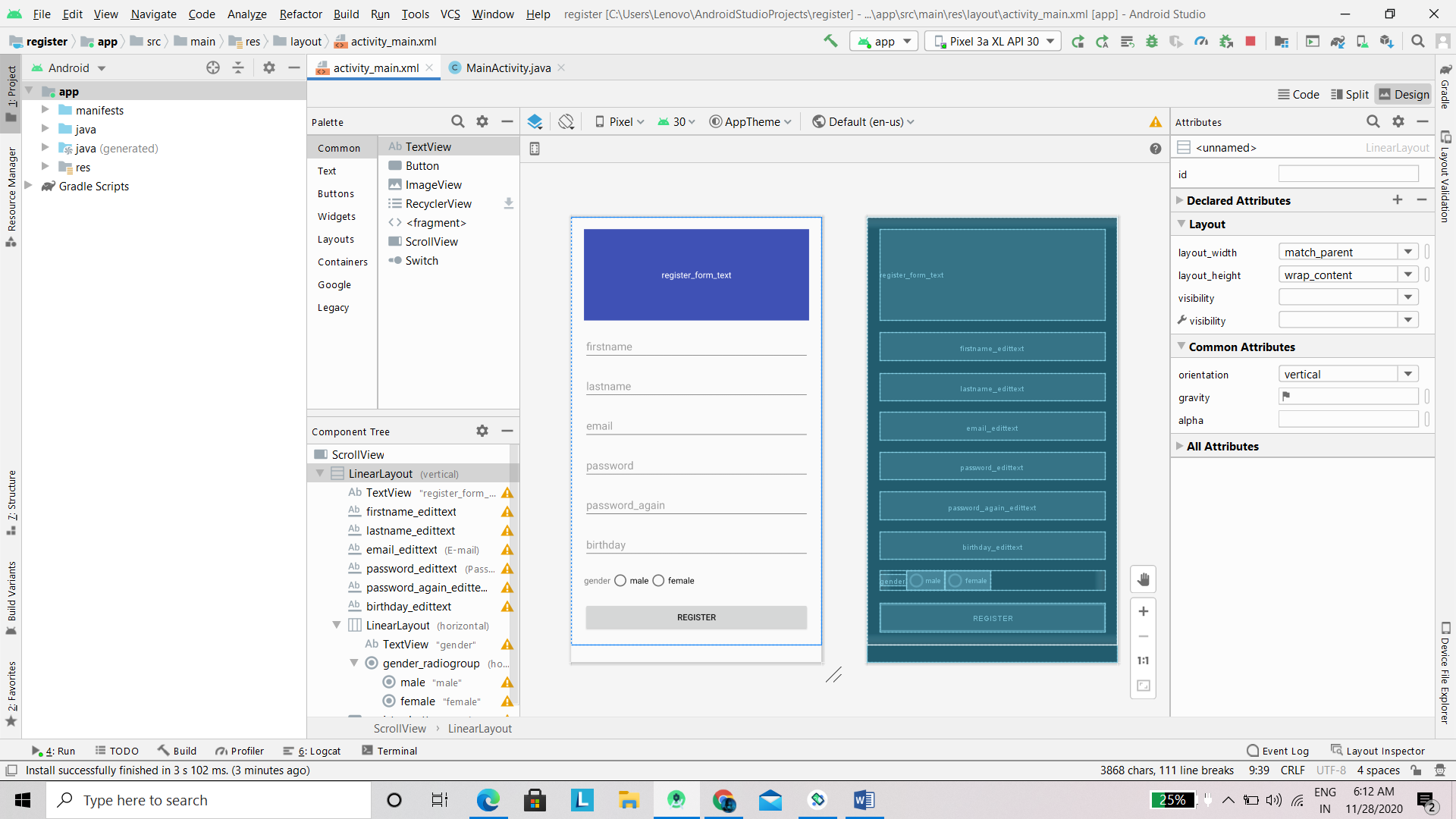
6. Create a screen that has input boxes for Name, Address, Gender (radio buttons for male and female), Age (numeric), Date of Birth (Date Picket), State (Spinner) and a Submit button. On clicking the submit button, print all the data below the Submit Button.

Activity\_main.xml:

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| --- |
| *<?***xml version="1.0" encoding="utf-8"***?>* <**ScrollView xmlns:android="http://schemas.android.com/apk/res/android"  android:layout\_width="match\_parent"  android:layout\_height="match\_parent"**>   <**LinearLayout  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:orientation="vertical"  android:padding="20dp"**>   <**TextView  android:layout\_width="match\_parent"  android:layout\_height="150dp"  android:gravity="center"  android:textColor="#FFFFFF"  android:background="#3F51B5"  android:text="register\_form\_text"**/>   <**EditText  android:id="@+id/firstname\_edittext"  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:layout\_marginTop="20dp"  android:hint="firstname"**/>   <**EditText  android:id="@+id/lastname\_edittext"  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:layout\_marginTop="20dp"  android:hint="lastname"**/>   <**EditText  android:id="@+id/email\_edittext"  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:layout\_marginTop="20dp"  android:inputType="textEmailAddress"  android:hint="email"**/>   <**EditText  android:id="@+id/password\_edittext"  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:layout\_marginTop="20dp"  android:inputType="textPassword"  android:hint="password"**/>   <**EditText  android:id="@+id/password\_again\_edittext"  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:layout\_marginTop="20dp"  android:inputType="textPassword"  android:hint="password\_again"**/>   <**EditText  android:id="@+id/birthday\_edittext"  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:focusable="false"  android:layout\_marginTop="20dp"  android:hint="birthday"**/>   <**LinearLayout  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:orientation="horizontal"  android:layout\_marginTop="20dp"  android:gravity="center\_vertical"**>   <**TextView  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:text="gender"**/>   <**RadioGroup  android:id="@+id/gender\_radiogroup"  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:orientation="horizontal"**>   <**RadioButton  android:id="@+id/male"  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:text="male"**/>   <**RadioButton  android:id="@+id/female"  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:text="female"**/>   </**RadioGroup**>   </**LinearLayout**>   <**Button  android:id="@+id/register\_button"  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:paddingTop="10dp"  android:paddingBottom="10dp"  android:layout\_marginTop="20dp"  android:gravity="center"  android:text="register"**/>   </**LinearLayout**>  </**ScrollView**> |

Design view:



MainActivity.java :

|  |
| --- |
| **package** com.example.register;  **import** androidx.appcompat.app.AppCompatActivity; **import** android.app.Activity; **import** android.app.DatePickerDialog; **import** android.os.Bundle; **import** android.view.View; **import** android.widget.Button; **import** android.widget.DatePicker; **import** android.widget.EditText; **import** android.widget.RadioButton; **import** android.widget.RadioGroup; **import** android.widget.Toast;   **import** android.os.Bundle;  **import** java.util.Calendar;  **public class** MainActivity **extends** AppCompatActivity **implements** View.OnClickListener {   **private** EditText **firstnameEdittext**,**lastnameEdittext**,**emailEdittext**,**passEdittext**,**passAgainEdittext**,**birthdayEdittext**;  **private** RadioGroup **genderRadioGroup**;  **private** Button **registerButton**;  **private** DatePickerDialog **datePickerDialog**;   @Override  **protected void** onCreate(Bundle savedInstanceState)  {  **super**.onCreate(savedInstanceState);  setContentView(R.layout.***activity\_main***);   *//Bind views with their ids* bindViews();   *//Set listeners of views* setViewActions();   *//Create DatePickerDialog to show a calendar to user to select birthdate* prepareDatePickerDialog();  }   **private void** bindViews()  {  **firstnameEdittext**=(EditText)findViewById(R.id.***firstname\_edittext***);  **lastnameEdittext**=(EditText)findViewById(R.id.***lastname\_edittext***);  **emailEdittext**=(EditText)findViewById(R.id.***email\_edittext***);  **passEdittext**=(EditText)findViewById(R.id.***password\_edittext***);  **passAgainEdittext**=(EditText)findViewById(R.id.***password\_again\_edittext***);  **birthdayEdittext**=(EditText)findViewById(R.id.***birthday\_edittext***);  **genderRadioGroup**=(RadioGroup)findViewById(R.id.***gender\_radiogroup***);  **registerButton**=(Button)findViewById(R.id.***register\_button***);  }   **private void** setViewActions()  {  **birthdayEdittext**.setOnClickListener((View.OnClickListener) **this**);  **registerButton**.setOnClickListener((View.OnClickListener) **this**);  }   **private void** prepareDatePickerDialog()  {  *//Get current date* Calendar calendar=Calendar.*getInstance*();   *//Create datePickerDialog with initial date which is current and decide what happens when a date is selected.* **datePickerDialog** = **new** DatePickerDialog(**this**, **new** DatePickerDialog.OnDateSetListener() {  @Override  **public void** onDateSet(DatePicker view, **int** year, **int** monthOfYear, **int** dayOfMonth) {  *//When a date is selected, it comes here.  //Change birthdayEdittext's text and dismiss dialog.* **birthdayEdittext**.setText(dayOfMonth+**"/"**+monthOfYear+**"/"**+year);  **datePickerDialog**.dismiss();  }  },calendar.get(Calendar.***YEAR***),calendar.get(Calendar.***MONTH***),calendar.get(Calendar.***DAY\_OF\_MONTH***));  }   **private void** showToastWithFormValues()  {   *//Get edittexts values* String firstname=**firstnameEdittext**.getText().toString();  String lastname=**lastnameEdittext**.getText().toString();  String email=**emailEdittext**.getText().toString();  String pass=**passEdittext**.getText().toString();  String passAgain=**passAgainEdittext**.getText().toString();  String birthday=**birthdayEdittext**.getText().toString();   *//Get gender* RadioButton selectedRadioButton=(RadioButton)findViewById(**genderRadioGroup**.getCheckedRadioButtonId());  String gender=selectedRadioButton==**null** ? **""**:selectedRadioButton.getText().toString();   *//Check all fields* **if**(!firstname.equals(**""**)&&!lastname.equals(**""**)&&!email.equals(**""**)&&!pass.equals(**""**)&&!passAgain.equals(**""**)&&!birthday.equals(**""**)&&!gender.equals(**""**)){   *//Check if pass and passAgain are the same* **if**(pass.equals(passAgain)){   *//Everything allright* Toast.*makeText*(MainActivity.**this**,**"\nFirstname:"**+firstname+**"\nLastname:"**+lastname+**"\nEmail:"**+email+**"\nBirthday:"**+birthday+**"\nGender:"**+gender,Toast.***LENGTH\_SHORT***).show();  }  **else**{  Toast.*makeText*(**this**,**"passwords\_must\_be\_the\_same"**,Toast.***LENGTH\_SHORT***).show();  }  }  **else**{  Toast.*makeText*(**this**,**"no\_field\_can\_be\_empty"**,Toast.***LENGTH\_SHORT***).show();  }   } @Override **public void** onClick(View v) {  **switch** (v.getId()){  **case** R.id.***birthday\_edittext***:  **datePickerDialog**.show();  **break**;  **case** R.id.***register\_button***:  showToastWithFormValues();  **break**;  }  }  } |

Outputs:

