Mainactivity.java

**package** com.example.message;  
  
**import** android.app.DatePickerDialog;  
**import** android.os.Bundle;  
**import** android.view.View;  
**import** android.widget.ArrayAdapter;  
**import** android.widget.Button;  
**import** android.widget.DatePicker;  
**import** android.widget.EditText;  
**import** android.widget.RadioButton;  
**import** android.widget.RadioGroup;  
**import** android.widget.Spinner;  
**import** android.widget.TextView;  
**import** androidx.appcompat.app.AppCompatActivity;  
**import** java.util.Calendar;  
  
**public class** MainActivity **extends** AppCompatActivity {  
 EditText **editText**;  
 Button **button**, **dateButton**;  
 RadioGroup **radioGroup**;  
 Spinner **spinner**;  
 TextView **resultText**;  
 **int selectedYear**, **selectedMonth**, **selectedDay**;  
  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_main***);  
  
 **editText** = findViewById(R.id.***editText***);  
 **button** = findViewById(R.id.***button***);  
 **dateButton** = findViewById(R.id.***dateButton***);  
 **radioGroup** = findViewById(R.id.***radioGroup***);  
 **spinner** = findViewById(R.id.***spinner***);  
 **resultText** = findViewById(R.id.***resultText***);  
  
 *// Set up Spinner* ArrayAdapter<CharSequence> adapter =  
 ArrayAdapter.*createFromResource*(**this**,  
 R.array.***spinner\_items***,  
 android.R.layout.***simple\_spinner\_item***);  
  
 adapter.setDropDownViewResource(android.R.layout.***simple\_spinner\_dropdown\_item***);  
 **spinner**.setAdapter(adapter);  
  
 *// Button click listener* **button**.setOnClickListener(v -> {  
 String name = **editText**.getText().toString();  
 **int** selectedId = **radioGroup**.getCheckedRadioButtonId();  
 RadioButton radioButton = findViewById(selectedId);  
 String gender = (radioButton != **null**) ?  
 radioButton.getText().toString() : **"Not selected"**;  
 String selectedItem =  
 **spinner**.getSelectedItem().toString();  
 String date = **dateButton**.getText().toString();  
 **resultText**.setText(**"Name: "** + name + **"\nGender: "** +  
 gender + **"\nSelected: "** + selectedItem + **"\nDate: "** + date);  
 });  
  
 *// Date Picker Dialog* **dateButton**.setOnClickListener(v -> {  
 Calendar calendar = Calendar.*getInstance*();  
 **int** year = calendar.get(Calendar.***YEAR***);  
 **int** month = calendar.get(Calendar.***MONTH***);  
 **int** day = calendar.get(Calendar.***DAY\_OF\_MONTH***);  
  
 DatePickerDialog datePickerDialog = **new** DatePickerDialog(MainActivity.**this**,  
 (view, year1, month1, dayOfMonth) -> {  
 **selectedYear** = year1;  
 **selectedMonth** = month1 + 1;  
 **selectedDay** = dayOfMonth;  
 **dateButton**.setText(**selectedDay** + **"/"** + **selectedMonth** + **"/"** + **selectedYear**);  
 }, year, month, day);  
 datePickerDialog.show();  
 });  
 }  
}

activity.xml

<**LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:orientation="vertical"  
 android:padding="16dp"**>  
  
 <**EditText  
 android:id="@+id/editText"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:hint="Enter Name"** />  
  
 <**RadioGroup  
 android:id="@+id/radioGroup"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"**>  
 <**RadioButton  
 android:id="@+id/radioMale"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Male"** />  
 <**RadioButton  
 android:id="@+id/radioFemale"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Female"** />  
 </**RadioGroup**>  
  
 <**Spinner  
 android:id="@+id/spinner"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"** />  
  
 <**Button  
 android:id="@+id/dateButton"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Select Date"** />  
  
 <**Button  
 android:id="@+id/button"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Submit"** />  
  
 <**TextView  
 android:id="@+id/resultText"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="Result will be displayed here"** />  
</**LinearLayout**>

Dependency

dependencies **{** *// AndroidX dependencies* implementation **'androidx.appcompat:appcompat:1.4.1'** implementation **'com.google.android.material:material:1.5.0'** implementation **'androidx.constraintlayout:constraintlayout:2.1.3'** implementation **'com.google.android.material:material:1.9.0'** *// Unit test dependencies* testImplementation **'junit:junit:4.13.2'** *// Android Instrumentation test dependencies* androidTestImplementation **'androidx.test.ext:junit:1.1.3'** androidTestImplementation **'androidx.test.espresso:espresso-core:3.4.0'  
}**

string.xml

<**resources**>  
 <**string name="app\_name"**>Message</**string**>  
 <**string-array name="spinner\_items"**>  
 <**item**>Option 1</**item**>  
 <**item**>Option 2</**item**>  
 <**item**>Option 3</**item**>  
 <**item**>Option 4</**item**>  
 </**string-array**>  
</**resources**>