2.4 Input elements

mainActivity.xml

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| <?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">   <TextView  android:id="@+id/nameText"  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:layout\_alignParentLeft="true"  android:layout\_alignParentTop="true"  android:layout\_marginLeft="18dp"  android:text="@string/app\_name"  android:layout\_marginTop="24dp"/>   <EditText  android:id="@+id/name"  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:ems="10"  android:inputType="text"  android:layout\_alignTop="@+id/nameText"  android:layout\_alignLeft="@+id/age"  android:layout\_alignStart="@+id/age"/>   <TextView  android:id="@+id/ageText"  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:layout\_alignLeft="@+id/nameText"  android:layout\_below="@+id/name"  android:layout\_marginTop="26dp"  android:text="age" />   <EditText  android:id="@+id/age"  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:ems="10"  android:inputType="text"  android:layout\_alignTop="@+id/ageText"  android:layout\_toRightOf="@+id/gridLayout1"  android:layout\_toEndOf="@+id/gridLayout1"/>   <TextView  android:id="@+id/genderText"  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:layout\_alignLeft="@+id/gridLayout1"  android:layout\_below="@+id/age"  android:layout\_marginTop="19dp"  android:text="gender"/>   <GridLayout  android:id="@+id/gridLayout1"  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:layout\_alignLeft="@+id/ageText"  android:layout\_below="@+id/age"  android:layout\_marginTop="44dp" >   <RadioGroup  android:id="@+id/gender"  android:layout\_width="fill\_parent"  android:layout\_height="wrap\_content"  android:orientation="horizontal">   <RadioButton  android:id="@+id/femaleRadio"  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:checked="true"  android:text="female"/>   <RadioButton  android:id="@+id/maleRadio"  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:checked="true"  android:text="male"/>  </RadioGroup>  </GridLayout>   <Button  android:id="@+id/submit"  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:text="submit"  android:layout\_centerVertical="true"  android:layout\_centerHorizontal="true"/>  </androidx.constraintlayout.widget.ConstraintLayout> |

mainActivity.java

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| package com.example.formelements;  import androidx.appcompat.app.AppCompatActivity;  import android.app.Activity; import android.content.Intent; import android.os.Bundle; import android.view.View; import android.widget.Button; import android.widget.EditText; import android.widget.RadioButton; import android.widget.RadioGroup;  public class MainActivity extends Activity implements View.OnClickListener {   Button button;  RadioGroup genderRadioGroup;  EditText name;  EditText age;   @Override  protected void onCreate(Bundle savedInstanceState) {  super.onCreate(savedInstanceState);  setContentView(R.layout.*activity\_main*);   findAllViewsId();  button.setOnClickListener(this);  }   private void findAllViewsId() {  button = (Button) findViewById(R.id.*submit*);  name =(EditText) findViewById(R.id.*name*);  age = (EditText) findViewById(R.id.*age*);  genderRadioGroup = (RadioGroup) findViewById(R.id.*gender*);  }   @Override  public void onClick(View view){  Intent intent = new Intent(getApplicationContext(), DisplayActivity.class);  Bundle b = new Bundle();  b.putString("name", name.getText().toString());  b.putString("age", age.getText().toString());  int id = genderRadioGroup.getCheckedRadioButtonId();  RadioButton radioButton = (RadioButton) findViewById(id);  b.putString("gender", radioButton.getText().toString());   intent.putExtras(b);  startActivity(intent);  } } |

DisplayActivity.java

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| package com.example.formelements;  import androidx.appcompat.app.AppCompatActivity;  import android.os.Bundle; import android.widget.TextView;  public class DisplayActivity extends AppCompatActivity {   @Override  protected void onCreate(Bundle savedInstanceState) {  super.onCreate(savedInstanceState);  setContentView(R.layout.*activity\_display*);   Bundle b = getIntent().getExtras();  TextView name = (TextView) findViewById(R.id.*nameValue*);  TextView age = (TextView) findViewById(R.id.*ageValue*);  TextView gender = (TextView) findViewById(R.id.*genderValue*);   name.setText(b.getCharSequence("name"));  age.setText(b.getCharSequence("age"));  gender.setText(b.getCharSequence("gender"));  } } |

Activity\_display.xml

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| <?xml version="1.0" encoding="utf-8"?> <GridLayout  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="fill\_parent"  android:layout\_height="fill\_parent"  android:columnCount="3" >   <TextView  android:id="@+id/nameText"  android:layout\_column="1"  android:layout\_gravity="left"  android:layout\_row="1"  android:text="@string/name"/>   <TextView  android:id="@+id/nameValue"  android:layout\_column="2"  android:layout\_gravity="left"  android:layout\_row="1"  android:text=""  android:textAppearance="?android:attr/textAppearanceMedium"  />  <TextView  android:id="@+id/ageText"  android:layout\_column="1"  android:layout\_gravity="left"  android:layout\_row="3"  android:text="@string/age"/>   <TextView  android:id="@+id/ageValue"  android:layout\_column="2"  android:layout\_gravity="left"  android:layout\_row="3"  android:text=""  android:textAppearance="?android:attr/textAppearanceMedium"/>   <TextView  android:id="@+id/genderText"  android:layout\_column="1"  android:layout\_gravity="left"  android:layout\_row="5"  android:text="@string/gender"/>   <TextView  android:id="@+id/genderValue"  android:layout\_column="2"  android:layout\_gravity="left"  android:layout\_row="5"  android:text=""  android:textAppearance="?android:attr/textAppearanceMedium"/>   <Space  android:layout\_width="21dp"  android:layout\_height="1dp"  android:layout\_column="0"  android:layout\_gravity="fill\_horizontal"  android:layout\_row="0" />   <Space  android:layout\_width="1dp"  android:layout\_height="21dp"  android:layout\_column="0"  android:layout\_gravity="fill\_horizontal"  android:layout\_row="0"/>   <Space  android:layout\_width="64dp"  android:layout\_height="1dp"  android:layout\_column="1"  android:layout\_gravity="fill\_horizontal"  android:layout\_row="0"/>   <Space  android:layout\_width="64dp"  android:layout\_height="1dp"  android:layout\_column="1"  android:layout\_gravity="fill\_horizontal"  android:layout\_row="0"/>   <Space  android:layout\_width="1dp"  android:layout\_height="10dp"  android:layout\_column="0"  android:layout\_gravity="fill\_horizontal"  android:layout\_row="2"/>  <Space  android:layout\_width="1dp"  android:layout\_height="10dp"  android:layout\_column="0"  android:layout\_gravity="fill\_horizontal"  android:layout\_row="4"/>  </GridLayout> |

