**Explicit Intent**

**activity\_main.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"**>  
  
 <**TextView  
 android:id="@+id/title"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="100dp"  
 android:text="@string/title\_text"  
 android:textSize="30sp"  
 android:textStyle="bold"  
 app:layout\_constraintLeft\_toLeftOf="parent"  
 app:layout\_constraintRight\_toRightOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"** />  
  
 <**EditText  
 android:id="@+id/name"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="50dp"  
 android:layout\_marginLeft="50dp"  
 android:layout\_marginTop="50dp"  
 android:ems="10"  
 android:hint="Name"  
 android:inputType="textPersonName"  
 android:text="@string/name\_text"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/title"** />  
  
 <**EditText  
 android:id="@+id/age"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="50dp"  
 android:layout\_marginLeft="50dp"  
 android:layout\_marginTop="50dp"  
 android:ems="10"  
 android:hint="Age"  
 android:inputType="number"  
 android:text="@string/age\_text"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/name"** />  
  
 <**Button  
 android:id="@+id/next"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="78dp"  
 android:text="@string/next\_text"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/age"** />  
  
</**androidx.constraintlayout.widget.ConstraintLayout**>

**MainActivity.java**

**package** com.example.exam\_intent;  
  
**import** androidx.appcompat.app.AppCompatActivity;  
  
**import** android.content.Intent;  
**import** android.os.Bundle;  
**import** android.view.View;  
**import** android.widget.Button;  
**import** android.widget.EditText;  
  
**public class** MainActivity **extends** AppCompatActivity {  
 EditText **name**, **age**;  
 Button **next**;  
  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_main***);  
 **name** = findViewById(R.id.***name***);  
 **age** = findViewById(R.id.***age***);  
 **next** = findViewById(R.id.***next***);  
  
 **next**.setOnClickListener(**new** View.OnClickListener() {  
 @Override  
 **public void** onClick(View v) {  
 Intent i = **new** Intent(getApplicationContext(),MainActivity2.**class**);  
 i.putExtra(**"Name"**, **name**.getText().toString());  
 i.putExtra(**"Age"**, **age**.getText().toString());  
 startActivity(i);  
 }  
 });  
  
 }  
}

**activity\_main2.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=".MainActivity2"**>  
  
 <**TextView  
 android:id="@+id/namesent"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="140dp"  
 android:layout\_marginLeft="140dp"  
 android:layout\_marginTop="165dp"  
 android:text="TextView"  
 android:textSize="24sp"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"** />  
  
 <**TextView  
 android:id="@+id/agesent"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="140dp"  
 android:layout\_marginLeft="140dp"  
 android:layout\_marginTop="81dp"  
 android:text="TextView"  
 android:textSize="24sp"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/namesent"** />  
  
 <**Button  
 android:id="@+id/previous"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="108dp"  
 android:layout\_marginLeft="108dp"  
 android:layout\_marginTop="153dp"  
 android:text="@string/previous\_text"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/agesent"** />  
  
  
</**androidx.constraintlayout.widget.ConstraintLayout**>

**MainActivity2.java**

**package** com.example.exam\_intent;  
  
**import** androidx.appcompat.app.AppCompatActivity;  
  
**import** android.content.Intent;  
**import** android.os.Bundle;  
**import** android.view.View;  
**import** android.widget.Button;  
**import** android.widget.TextView;  
  
**public class** MainActivity2 **extends** AppCompatActivity {  
 TextView **namesent**, **agesent**;  
 Button **previous**;  
  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_main2***);  
  
 **namesent** = findViewById(R.id.***namesent***);  
 **agesent** = findViewById(R.id.***agesent***);  
 **previous** = findViewById(R.id.***previous***);  
  
 Bundle values = getIntent().getExtras();  
 String val1 = values.getString(**"Name"**);  
 String val2 = values.getString(**"Age"**);  
 **namesent**.setText(val1);  
 **agesent**.setText(val2);  
  
 **previous**.setOnClickListener(**new** View.OnClickListener() {  
 @Override  
 **public void** onClick(View v) {  
 Intent i = **new** Intent(getApplicationContext(),MainActivity.**class**);  
 startActivity(i);  
 }  
 });  
  
 }  
}

**strings.xml**

<**resources**>  
 <**string name="app\_name"**>exam\_intent</**string**>  
 <**string name="title\_text"**>Example of Explicit Intents</**string**>  
 <**string name="name\_text"**></**string**>  
 <**string name="age\_text"**></**string**>  
 <**string name="next\_text"**>Open Second Activity</**string**>  
 <**string name="previous\_text"**>Open First Activity</**string**>  
</**resources**>