Intents

Implicit intent

<?xml version="1.0" encoding="utf-8"?>

<LinearLayout 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"

android:orientation="vertical">

<TextView

android:id="@+id/textView"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:text="Enter phone number" />

<EditText

android:id="@+id/phonenumber"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:ems="10"

android:inputType="phone"/>

<Button

android:id="@+id/call"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:text="call" />

</LinearLayout>

Java file

package com.example.implicit\_031;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.content.Intent;  
import android.net.Uri;  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
import android.widget.EditText;  
  
import java.net.URI;  
  
public class MainActivity extends AppCompatActivity {  
  
 EditText phone;  
 Button dial;  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
  
 phone=findViewById(R.id.*phonenumber*);  
 dial=findViewById(R.id.*call*);  
  
 dial.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View view) {  
  
 Uri myuri=Uri.*parse*("tel: "+phone.getText().toString());  
 Intent it=new Intent(Intent.*ACTION\_DIAL*,myuri);  
 startActivity(it);  
 }  
 });  
 }  
}

Explicit intent

Mainactivity1.Java

package com.example.implicit\_031;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.content.Intent;  
import android.net.Uri;  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
import android.widget.EditText;  
  
import java.net.URI;  
  
public class MainActivity extends AppCompatActivity {  
  
 EditText phone;  
 Button dial;  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
  
 phone=findViewById(R.id.*phonenumber*);  
 dial=findViewById(R.id.*call*);  
  
 dial.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View view) {  
  
 Uri myuri=Uri.*parse*("tel: "+phone.getText().toString());  
 Intent it=new Intent(Intent.*ACTION\_DIAL*,myuri);  
 startActivity(it);  
 }  
 });  
 }  
}

activity1.xml

*<?*xml version="1.0" encoding="utf-8"*?>*<LinearLayout 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"  
 android:orientation="vertical">  
  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="First Activity"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent" />  
  
 <TextView  
 android:id="@+id/text1"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="Enter 1ST NUMBER" />  
  
 <EditText  
 android:id="@+id/num1"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:ems="10"  
 android:inputType="textPersonName"  
 android:text="num1" />  
  
 <TextView  
 android:id="@+id/text2"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="ENTER 2ND NUMBER" />  
  
 <EditText  
 android:id="@+id/num2"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:ems="10"  
 android:inputType="textPersonName"  
 android:text="num2" />  
  
 <Button  
 android:id="@+id/button"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="Button" />  
  
</LinearLayout>

Mainactivity2.java

package com.example.explicit\_31;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.os.Bundle;  
import android.widget.TextView;  
import android.widget.Toast;  
  
public class MainActivity2 extends AppCompatActivity {  
  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main2*);  
  
 Bundle extras = getIntent().getExtras();  
  
 int sum = extras.getInt("ans");  
  
 Toast.*makeText*(this, "The sum is "+sum, Toast.*LENGTH\_SHORT*).show();  
 TextView t1=findViewById(R.id.*text2*);  
  
 t1.setText("The sum is "+sum);  
  
  
  
 }  
}

*<?*xml version="1.0" encoding="utf-8"*?>*<LinearLayout 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"  
 android:orientation="vertical">  
  
 <TextView  
 android:id="@+id/text1"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="second activity"  
 tools:layout\_editor\_absoluteX="152dp"  
 tools:layout\_editor\_absoluteY="235dp" />  
  
 <TextView  
 android:id="@+id/text2"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="sum is:"  
 tools:layout\_editor\_absoluteX="157dp"  
 tools:layout\_editor\_absoluteY="332dp" />  
</LinearLayout>