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Working with Implicit Intent and explicit Intent

code:

activityMain.xml

```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"
    android:orientation="vertical"
    tools:context=".MainActivity">

    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

    <EditText
        android:id="@+id/name"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:ems="10"
        android:hint="Enter your name"
        android:textSize="30dp"
        android:inputType="textPersonName" />

    <Button
        android:id="@+id/click"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="CLICK" />

</LinearLayout>
```

activitySecondjava.xml


```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=".SecondActivityjava">
```

```xml
    <TextView
        android:id="@+id/myText"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="NAME COMES HERE"
        android:textAlignment="center"
        android:textSize="40dp"
        tools:ignore="MissingConstraints" />
</androidx.constraintlayout.widget.ConstraintLayout>
```

secondActivity.java

```java
package com.example.a416_intent;


import androidx.appcompat.app.AppCompatActivity;


import android.os.Bundle;
import android.widget.TextView;


public class SecondActivityjava extends AppCompatActivity {
TextView myName;
String nameFromFirstActivity="";
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_second_activityjava);
        myName = findViewById(R.id.myText);
        nameFromFirstActivity = getIntent().getStringExtra("name");
        myName.setText(nameFromFirstActivity);



    }
}
```

MainActivity.java

```java
package com.example.a416_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;
 Button click;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        name = findViewById(R.id.name);
```

```
        click = findViewById(R.id.click);


        click.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                Intent it = new Intent(MainActivity.this,SecondActivityjava.class);
                Bundle b= new Bundle();
                b.putString("name",name.getText().toString());
                it.putExtras(b) ;
                startActivity(it);


            }
        });
    }
}
```

OUTPUT:

activityMain.xml

```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">



    <EditText
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:id="@+id/myPhone"
        android:hint="Enter the Phone Number"
        android:layout_margin="20dp"/>
    <Button
        android:layout_width="match_parent"
```

```xml
    android:layout_height="wrap_content"
    android:id="@+id/call"
    android:text="CALL"
    android:layout_margin="20dp"/>

</LinearLayout>
```

MainActivity.java

```java
package com.example.intent_416;

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;

public class MainActivity extends AppCompatActivity {
EditText phoneNumberToCall;
Button call;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        call = findViewById(R.id.call);
        phoneNumberToCall = findViewById(R.id.myPhone);
        call.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                Uri myUri = Uri.parse("tel:"+phoneNumberToCall.getText().toString());
                Intent it =new Intent(Intent.ACTION_DIAL,myUri);
                startActivity(it);
            }
        });
    }
}
```
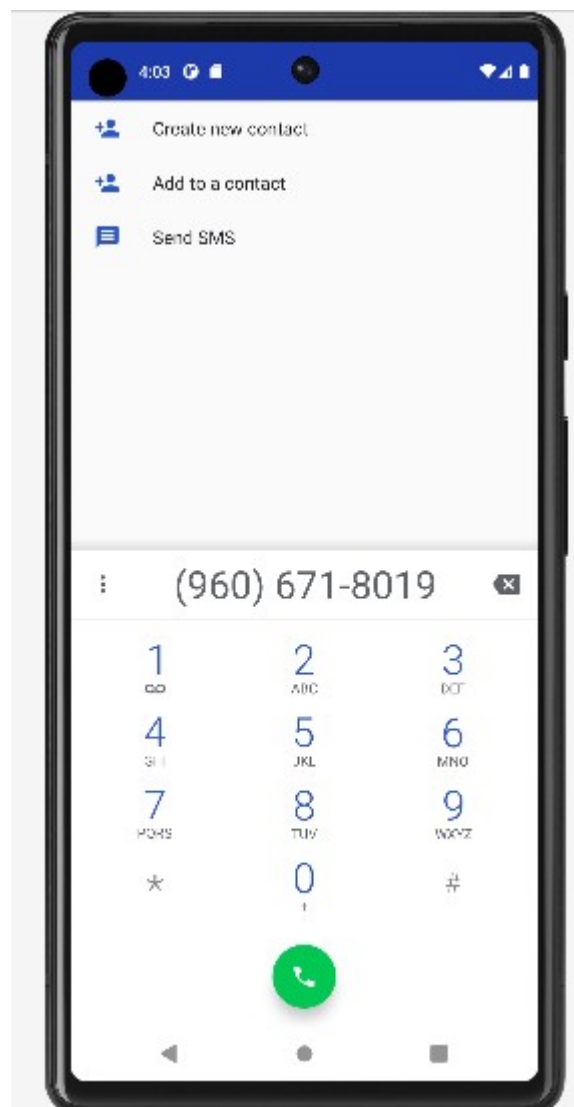
Output:

Implicit Intent Front Activity

Implicit Intent Second Activity