PROGRAM -6

Create an application to demonstrate the use of Intents to communicate between different activities

# Activity\_main.xml

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

<androidx.constraintlayout.widget.ConstraintLayout xmlns:android[="http://schemas.android.com/apk/res/android"](http://schemas.android.com/apk/res/android) xmlns:tools[="http://schemas.android.com/tools"](http://schemas.android.com/tools) xmlns:app[="http://schemas.android.com/apk/res](http://schemas.android.com/apk/res-auto)-[auto"](http://schemas.android.com/apk/res-auto) android:layout\_width="match\_parent" android:layout\_height="match\_parent" tools:context=".MainActivity">

<TextView android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" android:layout\_marginEnd="8dp" android:layout\_marginStart="8dp" android:layout\_marginTop="8dp" android:text="First Activity"

app:layout\_constraintBottom\_toBottomOf="parent" app:layout\_constraintEnd\_toEndOf="parent" app:layout\_constraintHorizontal\_bias="0.454" app:layout\_constraintLeft\_toLeftOf="parent" app:layout\_constraintRight\_toRightOf="parent" app:layout\_constraintStart\_toStartOf="parent" app:layout\_constraintTop\_toTopOf="parent" app:layout\_constraintVertical\_bias="0.06" />

<Button

android:id="@+id/button" android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" android:layout\_marginEnd="8dp" android:layout\_marginStart="8dp" android:layout\_marginTop="392dp" android:onClick="callSecondActivity" android:text="Call second activity" app:layout\_constraintEnd\_toEndOf="parent" app:layout\_constraintStart\_toStartOf="parent" app:layout\_constraintTop\_toTopOf="parent" />

<Button

android:id="@+id/button3" android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" android:onClick="show" android:text="implicit intent" tools:layout\_editor\_absoluteX="135dp" tools:layout\_editor\_absoluteY="204dp" tools:ignore="MissingConstraints" />

</androidx.constraintlayout.widget.ConstraintLayout>

**Activitysec.xml**

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

<androidx.constraintlayout.widget.ConstraintLayout xmlns:android[="http://schemas.android.com/apk/res/android"](http://schemas.android.com/apk/res/android)

xmlns:app[="http://schemas.android.com/apk/res](http://schemas.android.com/apk/res-auto)-[auto"](http://schemas.android.com/apk/res-auto) xmlns:tools[="http://schemas.android.com/tools"](http://schemas.android.com/tools) android:layout\_width="match\_parent" android:layout\_height="match\_parent" tools:context=".MainActivity2">

<Button

android:id="@+id/button2" android:layout\_width="263dp" android:layout\_height="53dp" android:text="go back to 1st activity" tools:layout\_editor\_absoluteX="74dp" tools:layout\_editor\_absoluteY="219dp" tools:ignore="MissingConstraints" />

</androidx.constraintlayout.widget.ConstraintLayout>

## MainActivity.java

package com.example.intents;

import androidx.appcompat.app.AppCompatActivity; import android.net.Uri;

import android.os.Bundle; import android.view.View; import android.content.Intent; import android.widget.Button;

public class MainActivity extends AppCompatActivity { Button button;

@Override

protected void onCreate(Bundle savedInstanceState) { super.onCreate(savedInstanceState); setContentView(R.layout.*activity\_main*); button=findViewById(R.id.*button*);

//button.setOnClickListener(this);

}

public void show(View view){

Intent intent = new Intent(Intent.*ACTION\_VIEW*); intent.setData(Uri.*parse*(["https://www.fisat.ac.in"](http://www.fisat.ac.in/))); startActivity(intent);

}

public void callSecondActivity(View view){

Intent i=new Intent(getApplicationContext(),MainActivity2.class); startActivity(i);

}

}

MainActivity2.java

package com.example.intents;

import android.content.Intent; import android.os.Bundle; import android.view.View;

import android.widget.Button;

import androidx.appcompat.app.AppCompatActivity; public class MainActivity2 extends AppCompatActivity {

Button button;

@Override

protected void onCreate(Bundle savedInstanceState) { super.onCreate(savedInstanceState); setContentView(R.layout.*activitysec*);

Bundle extras = getIntent().getExtras(); button=findViewById(R.id.*button*);

}

public void callFirstActivity(View view){

Intent i=new Intent(getApplicationContext(),MainActivity.class); startActivity(i);

}

}

Output:



