## **PROGRAM-6**

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

## Acivity\_main.xml

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
  xmlns:android="http://schemas.android.com/apk/res/andro
  id" xmlns:tools="http://schemas.android.com/tools"
  xmlns:app="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="pare
    nt"
    app:layout_constraintStart_toStartOf="par
    ent"
    app:layout_constraintTop_toTopOf="pare
    nt" />
```

```
<Button
    android:id="@+id/button3"
    android:layout_width="wrap_content
"
    android:layout_height="wrap_content
" android:onClick="show"
    android:text="implicit intent"
    app:rippleColor="@color/black"
    tools:ignore="MissingConstraints"
    tools:layout_editor_absoluteX="135d
    p"
    tools:layout_editor_absoluteY="204d
    p" />
</androidx.constraintlayout.widget.ConstraintLayout>
```

#### Activity\_two.xml

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
 xmlns:android="http://schemas.android.com/apk/res/andro
 id" 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">
 <Button
    android:id="@+id/button2"
    android:layout_width="263d
    p"
    android:layout_height="53d
    android:text="go back to 1st activity"
    android:onClick="callFirstActivity"
    tools:layout_editor_absoluteX="74dp"
    tools:layout_editor_absoluteY="219dp
    " />
</androidx.constraintlayout.widget.ConstraintLayout>
```

## MainActivity.java

```
package com.example.intants01;
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
    ")); startActivity(intent);
  }
 public void callSecondActivity(View view){
    Intent i=new
    Intent(getApplicationContext(),MainActivity2.class);
    startActivity(i);
  }
}
```

#### MainActivity2.java

```
package com.example.intants01;
import
androidx.appcompat.app.AppCompatActivity;
import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import
android.widget.Button;
public class MainActivity2 extends
 AppCompatActivity { Button button;
  @Override
 protected void onCreate(Bundle
    savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_two);
    Bundle extras =
    getIntent().getExtras();
   button=findViewById(R.id.button);
 public void callFirstActivity(View view){
   Intent i=new
    Intent(getApplicationContext(),MainActivity.class);
    startActivity(i);
  }
}
```

# **Output:**



