Program no: 11

Aim: Implement Intent to navigate between multiple activities (Explicit Intent)

XML Code:

```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"
    android:onClick="callActivity"
    tools:context=".MainActivity">
    <EditText
        android:id="@+id/name"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:ems="10" android:hint="Name"
        android:inputType="textPersonName"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.437"
        app:layout_constraintStart_toStartOf="parent"

        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.148" />

    <EditText
```

```xml
    android:id="@+id/address"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:ems="10" android:hint="Address"
    android:inputType="textPersonName"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.437"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.313" />

    <EditText
    android:id="@+id/email"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:ems="10" android:hint="Email"
    android:inputType="textPersonName"
    android:onClick="callActivity"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.437"
    app:layout_constraintStart_toStartOf="parent"

    app:layout_constraintTop_toTopOf="parent"

    app:layout_constraintVertical_bias="0.475" />
<Button
android:id="@+id/button"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:text="Submit"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toEndOf="parent"
```

```
    app:layout_constraintHorizontal_bias="0.454"

    app:layout_constraintStart_toStartOf="parent"

    app:layout_constraintTop_toTopOf="parent"

    app:layout_constraintVertical_bias="0.609" />
</androidx.constraintlayout.widget.ConstraintLayout>
```

Activity2 xml code:

```
<?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/view3"

        android:layout_width="189dp"

        android:layout_height="36dp"

        android:textAlignment="center"

        app:layout_constraintBottom_toBottomOf="parent"

        app:layout_constraintEnd_toEndOf="parent"

        app:layout_constraintHorizontal_bias="0.459"

        app:layout_constraintStart_toStartOf="parent"

        app:layout_constraintTop_toTopOf="parent"

        app:layout_constraintVertical_bias="0.398" />

    <TextView
```

```xml
    android:id="@+id/view1"

     android:layout_width="189dp"

     android:layout_height="36dp"

     android:textAlignment="center"

     app:layout_constraintBottom_toBottomOf="parent"

     app:layout_constraintEnd_toEndOf="parent"

     app:layout_constraintHorizontal_bias="0.459"

     app:layout_constraintStart_toStartOf="parent"

     app:layout_constraintTop_toTopOf="parent"

     app:layout_constraintVertical_bias="0.22" />


   <TextView android:id="@+id/view2"

     android:layout_width="189dp"

     android:layout_height="36dp"

     android:textAlignment="center"

     app:layout_constraintBottom_toBottomOf="parent"

     app:layout_constraintEnd_toEndOf="parent"

     app:layout_constraintHorizontal_bias="0.459"

     app:layout_constraintStart_toStartOf="parent"

     app:layout_constraintTop_toTopOf="parent"

     app:layout_constraintVertical_bias="0.306" />
</androidx.constraintlayout.widget.ConstraintLayout>
```

Java Code:

```java
package com.example.co_q3;

import androidx.appcompat.app.AppCompatActivity; import
android.content.Intent;

    import android.os.Bundle;

    import android.view.View;

    import android.widget.Button;
```

```java
import android.widget.EditText;
public class MainActivity extends AppCompatActivity {
    Button b1;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        b1 = findViewById(R.id.button); b1.setOnClickListener(new
        View.OnClickListener() {
            @Override
            public void onClick(View view) {
                callActivity(view);
            }
        });
    }


    public void callActivity(View view) {
        Intent i = new Intent(MainActivity.this, MainActivity2.class); final
        EditText editText1 = (EditText)findViewById(R.id.name); String msg =
        editText1.getText().toString();
        final EditText editText2 = (EditText)findViewById(R.id.address); String add
        = editText2.getText().toString();
        final EditText editText3 = (EditText)findViewById(R.id.email); String em
        = editText3.getText().toString();
        i.putExtra("Value1", msg);
        i.putExtra("Value2", add);


        i.putExtra("Value3", em);
```

```java
            startActivity(i);

        }

    }
```

Activity2 Java code:

```java
package com.example.co_q3;

import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;
import android.widget.TextView;

public class MainActivity2 extends AppCompatActivity {
    TextView view1;
    TextView view2;
    TextView view3;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main2);
        view1 = (TextView) findViewById(R.id.view1);
        view2 = (TextView) findViewById(R.id.view2);
        view3 = (TextView) findViewById(R.id.view3);
        Bundle extras = getIntent().getExtras();
        String value1 = extras.getString("Value1");
        String value2 = extras.getString("Value2");
        String value3 = extras.getString("Value3");
        view1.setText(value1);
        view2.setText(value2);
        view3.setText(value3);
```

}

Output: