

Program no: 11

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

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"
    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
```

```
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

```

```

        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:

```

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;

```

```

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);

```

```
startActivity(i);  
}  
}
```

Activity2 Java code:

```
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:

The image displays two side-by-side screenshots of a mobile application interface, both titled 'co_q3' in a blue header bar. The left screenshot, taken at 5:13, shows a form with three input fields: 'Elizabeth', 'Mca A', and 'Elizabeth@gmail.com'. The email field is highlighted with a red border. Below the fields is a blue 'SUBMIT' button. The right screenshot, taken at 5:15, shows the same form after submission. The input fields now contain the text 'Elizabeth', 'Mca A', and 'Elizabeth@gmail.com' respectively, and the 'SUBMIT' button is no longer visible. Both screenshots show a standard Android navigation bar at the bottom.

