

PROGRAM 3

AIM : Develop application that works with explicit intents

PROGRAM CODE :

MainActivity.java

```
package com.example.co3_q3explicitintent;

import androidx.appcompat.app.AppCompatActivity;

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

public class MainActivity extends AppCompatActivity {

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
    }

    public void callActivity(View view) {
        Intent i = new Intent(getApplicationContext(), 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);

    }
}

```

Activity_main.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

```
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>
```

MainActivity2.java

```
package com.example.co3_q3explicitintent;

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);

    }

}

```

Activity_main2.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=".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>

OUTPUT

10:36 81%

CO3_Q3(EXPLICIT INTENT)

Helna

helna house

helna@gmail.com

SUBMIT

10:36 81%

CO3_Q3(EXPLICIT INTENT)

Helna

helna house

helna@gmail.com

RESULT : Program has been succesfully executed and output is obtained.