PROGRAM NO :3

AIM: Develop application that works with explicit intents.

PROGRAM CODE:

| Mainactivity.java | ```java
package com.example.intent;


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);

        }

    }
``` |
| Main activity_2. Java | ```java
package com.example.intent;

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_main.xml | ```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"
``` |

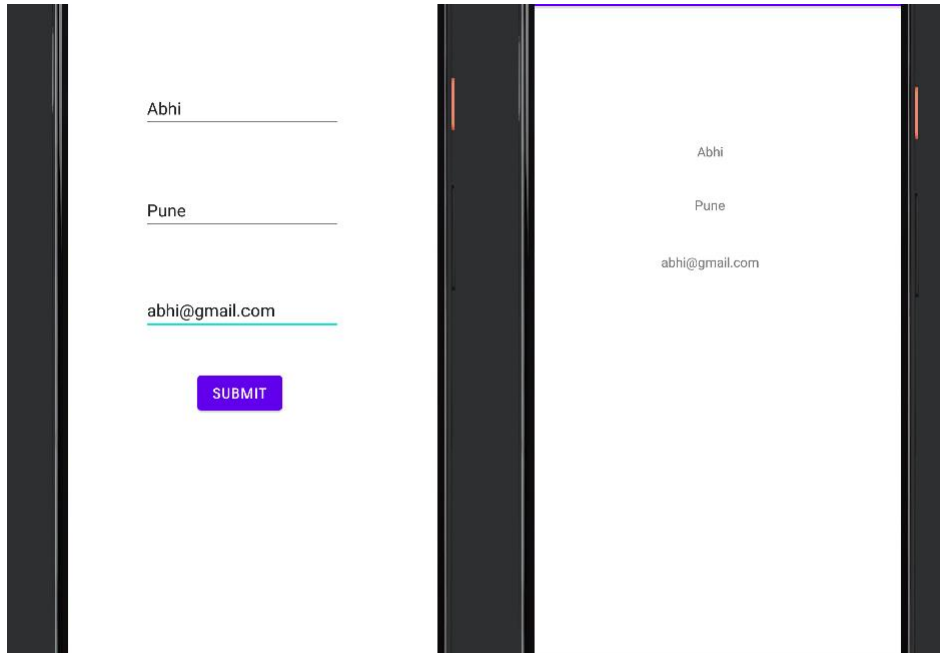|	

	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>

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" />

```xml
    <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:

<u>RESULT</u>

Program Has Been Succesfully Executed And Output Is Obtained.