Experiment No.: 10

Aim

Implement Intent to navigate between multiple activities

CO3

Develop applications with multiple activities using intents, array adapter, exceptions and options menu.

Procedure

activity_main.xml

```xml
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout 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:padding="50sp"
    android:background="#E886F162"
    android:orientation="vertical"
    android:gravity="top|center"
    tools:context=".MainActivity">
    <Button
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:id="@+id/btn_click"
        android:text="Click"
        android:textSize="15sp"
        android:textAlignment="center"/>
    <TextView
```

```
    android:id="@+id/tvid"

    android:layout_width="match_parent"

    android:layout_height="match_parent"

    android:color="#4799E8"

    android:text="first page"

    android:textColor="@color/black"

    android:background="@color/teal_200"/>

</LinearLayout>
```

activity2.xml

```
<?xml version="1.0" encoding="utf-8"?>

<LinearLayout 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:padding="50sp"

    android:background="#E886F162"

    android:orientation="vertical"

    android:gravity="top|center"

    tools:context=".MainActivity">

    <Button

        android:layout_width="wrap_content"

        android:layout_height="wrap_content"

        android:id="@+id/btn_click1"

        android:text="Click"

        android:textSize="15sp"

        android:textAlignment="center"/>

    <TextView
```

```
        android:id="@+id/tvid1"

        android:layout_width="match_parent"

        android:layout_height="match_parent"

        android:color="#4799E8"

        android:text="second page"

        android:textColor="@color/black"

        android:background="@color/teal_200"/>

</LinearLayout>
```

MainActivity.java

```java
package com.example.explicit_intent;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;

import android.os.Bundle;

import android.view.View;

import android.widget.Button;

import android.widget.TextView;

public class MainActivity extends AppCompatActivity {

    @Override

    protected void onCreate(Bundle savedInstanceState) {

        super.onCreate(savedInstanceState);

        setContentView(R.layout.activity_main);

        Button btn = (Button) findViewById(R.id.btn_click);

        TextView tv = (TextView) findViewById(R.id.tvid);

        btn.setOnClickListener(new View.OnClickListener() {

            @Override

            public void onClick(View view) {

                Intent i = new Intent(getApplicationContext(),Activity2.class);

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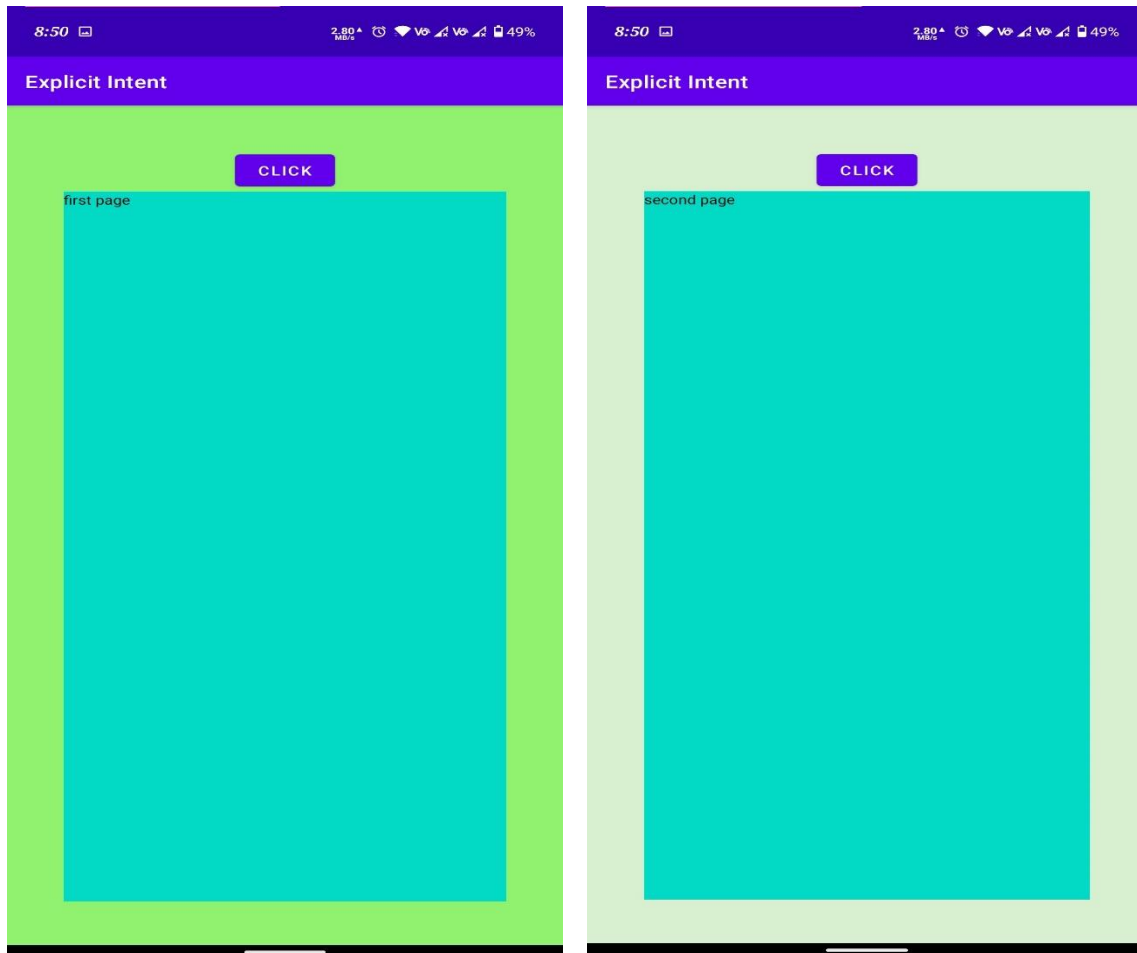
```
        }

    });

  }

}


Activity2.java

package com.example.explicit_intent;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;

import android.os.Bundle;

import android.view.View;

import android.widget.Button;

import android.widget.TextView;

public class Activity2 extends AppCompatActivity {

  @Override

  protected void onCreate(Bundle savedInstanceState) {

    super.onCreate(savedInstanceState);

    setContentView(R.layout.activity2);

    Button btn = (Button) findViewById(R.id.btn_click1);

    TextView tv = (TextView) findViewById(R.id.tvid1);

    btn.setOnClickListener(new View.OnClickListener() {

      @Override

      public void onClick(View view) {

        Intent i = new Intent(getApplicationContext(), MainActivity.class);

        startActivity(i);

      }

    });

  }}
```

Output Screenshot

Result

The program was executed and the result was successfully obtained. Thus CO3 was obtained.