

## Experiment 4: By Jayant Dhiran, FY MCA, AIIT

### Aim:-

Develop an android application for facilitating communication between activities using Intent. Exhibit the role of Explicit Intent for the same

### 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"
    tools:context=".MainActivity">

    <Button

        android:id="@+id/Button1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentLeft="true"
        android:layout_below="@+id/TextView1"
        android:layout_marginTop="209dp"
        android:onClick="onClick"
        android:text="Next"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        tools:ignore="OnClick" />

    <TextView

        android:id="@+id/TextView1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignLeft="@+id/Button01"
```

```
        android:layout_alignParentTop="true"
        android:layout_marginTop="44dp"
        android:minHeight="60dip"
        android:text="First Activity"
        android:textSize="20sp"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />
</androidx.constraintlayout.widget.ConstraintLayout>
```

### **Activity\_main.java:-**

```
package com.example.passingintent;

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 {
    public static final String EXTRA_MESSAGE = "Hello Intent";
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);

        Button b1 = (Button)findViewById(R.id.Button1);
        b1.setOnClickListener(new View.OnClickListener() {
            public void onClick(View view)
            {
```

```

        Intent obj=new Intent(getApplicationContext(),display.class);

        startActivity(obj);

    }

});

}

}

```

### **Activity\_dispaly.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"

    >

    <Button

        android:id="@+id/Button1"

        android:layout_width="wrap_content"

        android:layout_height="wrap_content"

        android:layout_alignParentLeft="true"

        android:layout_below="@+id/TextView1"

        android:layout_marginTop="209dp"

        android:onClick="onClick"

        android:text="Previous"

        app:layout_constraintEnd_toEndOf="parent"

        app:layout_constraintStart_toStartOf="parent"

        app:layout_constraintTop_toTopOf="parent"

        tools:ignore="OnClick" />

    <TextView

        android:id="@+id/TextView1"

        android:layout_width="wrap_content"

```

```

        android:layout_height="wrap_content"
        android:layout_alignLeft="@+id/Button01"
        android:layout_alignParentTop="true"
        android:layout_marginTop="44dp"
        android:minHeight="60dp"
        android:text="Second Activity"
        android:textSize="20sp"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />
</androidx.constraintlayout.widget.ConstraintLayout>

```

### **display.java:-**

```

package com.example.passingintent;

import androidx.appcompat.app.AppCompatActivity;

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

public class display extends AppCompatActivity {

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

        Button b1 = (Button)findViewById(R.id.Button1);
        b1.setOnClickListener(new View.OnClickListener() {
            public void onClick(View view)
            {

```

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

### Output:-

