

## Experiment 5: By Jayant Dhiran, FY MCA, AIIT

### Aim:

Develop an android application to understand passing data through Intent

### Activity\_main.xml:-

```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout 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:orientation="vertical"
    tools:context=".MainActivity">
    <TextView
        android:id="@+id/textView2"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentLeft="true"
        android:layout_alignParentTop="true"
        android:layout_alignParentRight="true"
        android:layout_marginTop="1dp"
        android:layout_marginBottom="40dp"
        android:text="Explicit Indent Demo"
        android:textSize="18sp" />
    <EditText
        android:id="@+id/t1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_below="@id/textView2"
        android:layout_alignParentLeft="true"
        android:layout_alignParentRight="true"
```

```
    android:layout_margin="20dp"
    android:inputType="textPersonName"
    android:hint="Enter the string" />
```

```
<Button
```

```
    android:id="@+id/button1"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_below="@id/t1"
    android:layout_alignParentLeft="true"
    android:layout_margin="20dp"
    android:text="Upper Caase" />
```

```
<Button
```

```
    android:id="@+id/button2"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_below="@id/t1"
    android:layout_alignRight="@id/button1"
    android:layout_alignParentRight="true"
    android:layout_margin="20dp"
    android:text=" Lower case" />
```

```
</RelativeLayout>
```

## Activity\_main.class:-

```
package com.example.intentdemo;

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 bt1=(Button) findViewById(R.id.button1);
        Button bt2=(Button) findViewById(R.id.button2);
        bt1.setOnClickListener(new View.OnClickListener(){
            public void onClick (View view)
            {
                Intent intObj = new Intent(MainActivity.this,uppercase.class);
                EditText pt = (EditText)findViewById(R.id.t1);
                String message = pt.getText().toString();
                intObj.putExtra(EXTRA_MESSAGE, message);
                startActivity(intObj);
            }
        });
    }
}
```

```

bt2.setOnClickListener(new View.OnClickListener(){
    public void onClick (View view)
    {
        Intent intObj = new Intent(MainActivity.this,lowercase.class);
        EditText pt = (EditText)findViewById(R.id.t1);
        String message = pt.getText().toString();
        intObj.putExtra(EXTRA_MESSAGE, message);
        startActivity(intObj);
    }
}); }}

```

## activity\_uppercase.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:id="@+id/pt"

    android:layout_width="match_parent"

    android:layout_height="match_parent"

    android:longClickable="false">

<TextView

    android:id="@+id/tview1"

    android:layout_width="wrap_content"

    android:layout_height="wrap_content"

    android:text="Upper case"

    android:textSize="40dp"

    app:layout_constraintBottom_toBottomOf="parent"

    app:layout_constraintEnd_toEndOf="parent"

    app:layout_constraintStart_toStartOf="parent"

    app:layout_constraintTop_toTopOf="parent"

    app:layout_constraintVertical_bias="0.207" />

```

```
<TextView
    android:id="@+id/result"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text=""
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.414"
/>
</androidx.constraintlayout.widget.ConstraintLayout>
```

## uppercase.class:-

```
package com.example.intentdemo;

import androidx.appcompat.app.AppCompatActivity;

import android.app.Activity;
import android.content.Intent;
import android.os.Bundle;
import android.widget.EditText;
import android.widget.TextView;

import org.w3c.dom.Text;

public class uppercase extends Activity {
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_uppercase);
    }
}
```

```

    TextView result = (TextView)findViewById(R.id.result);

    Intent intObj1 = getIntent();

    String s = intObj1.getStringExtra(MainActivity.EXTRA_MESSAGE);

    result.setText(s.toUpperCase()+"");

}

```

## activity\_Lowercase.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:id="@+id/pt"

    android:layout_width="match_parent"

    android:layout_height="match_parent"

    android:longClickable="false">

    <TextView

        android:id="@+id/tview1"

        android:layout_width="wrap_content"

        android:layout_height="wrap_content"

        android:text="Lower case"

        android:textSize="40dp"

        app:layout_constraintBottom_toBottomOf="parent"

        app:layout_constraintEnd_toEndOf="parent"

        app:layout_constraintStart_toStartOf="parent"

        app:layout_constraintTop_toTopOf="parent"

        app:layout_constraintVertical_bias="0.207" />

    <TextView

        android:id="@+id/result"

        android:layout_width="wrap_content"

        android:layout_height="wrap_content"

```

```

        android:text=""

        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.414"

    />
</androidx.constraintlayout.widget.ConstraintLayout>

```

## Lowercase.class:-

```

package com.example.intentdemo;

import androidx.appcompat.app.AppCompatActivity;

import android.app.Activity;
import android.content.Intent;
import android.os.Bundle;
import android.widget.EditText;
import android.widget.TextView;

import org.w3c.dom.Text;

public class uppercase extends Activity {
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_uppercase);
        TextView result = (TextView)findViewById(R.id.result);
        Intent intObj1 = getIntent();
        String s = intObj1.getStringExtra(MainActivity.EXTRA_MESSAGE);
        result.setText(s.toLowerCase()+"");
    }
}

```

## OUTPUT:-

### Intent Demo

Explicit Indent Demo

Hey There here is Jayant

UPPER CAASE

LOWER CASE

Upper case

HEY THERE HERE IS JAYANT

Lower case

hey there here is jayant