

NAME \Rightarrow SUSHANT RANA

Subject \Rightarrow Mobile Application Development

CLASS \Rightarrow BCA 'SA'

Roll NO. \Rightarrow 63

MID-TERM PRACTICAL

UNI. Roll NO. \Rightarrow 1921189

SEMESTER \Rightarrow '5th'

SECTION \Rightarrow 'A'

~~Signature~~

Q1: Develop an android application to demonstrate Implicit as well as Explicit Intent.

Ans: MAIN ACTIVITY - I CODE:

```
<?xmlversion="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"
```

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

```
<TextView
```

```
android:layout_width="match-parent"
```

```
android:layout_height="wrap-content"
```

```
android:text="Hello, This is Activity I"
```

```
android:textSize="16dp"
```

```
android:textColor="@color/teal_200"
```

```
android:textStyle="bold"
```

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```
android:id="@+id/tv_1"/>
```

```
<Button
```

```
    android:layout_width="wrap-content"
```

```
    android:layout_height="wrap-content"
```

```
    android:layout_below="@+id/tv_1"
```

```
    android:layout_marginTop="60dp"
```

```
    android:id="@+id/btn1"
```

```
    android:layout_centerHorizontal="true"
```

```
    android:text="Click Here for Activity 2"/>
```

```
<RelativeLayout>
```

JAVA CODE:-

```
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 & TextView tv;
```

```
Button btn; @Override
```

```
protected void onCreate(Bundle savedInstanceState)
```



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```
{
    Super.on(<create>(savedInstanceState);
    setContentView(R.layout.activity-main);
    tv = findViewById(R.id.tv-1);
    btn = findViewById(R.id.btn1);
    btn.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View v) {
            Intent i = new
            Intent(getApplicationContext(), Activity2.class);
            startActivity(i);
        }
    });
}
```

MAIN ACTIVITY-2 CODE:-

```
<?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"
    tools:context=".Activity2">
    <TextView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="Hello, This is Activity2"
```

android:textSize = "40dp"

android:layout_centerHorizontal = "true"

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

<RelativeLayout>

⇒ Implicit Intent

<?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"

tools:context=".MainActivity">

<EditText

android:layout_width="match_parent"

android:layout_height="wrap_content"

android:id="@+id/et_1"

android:inputType="text"

android:padding="30dp"

android:layout_marginTop="30dp"/>

<Button

android:layout_width="wrap_content"

android:layout_height="wrap_content"

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```
android:text="click here" android:id="@+id/btn-1"
android:textSize="30dp"
android:background="@color/teal_700"
android:layout_below="@+id/et-1"
android:layout_marginTop="40dp"
android:layout_marginLeft="80dp"
dp"/>
<RelativeLayout>
```

JAVA CODE:-

```
package com.example.implicit-intent;
import
    androidx.appcompat.app.AppCompatActivity;
import
    android.content.Intent;
import android.net.Uri;
import
    android.os.Bundle;
import
    android.view.View;
import
    android.widget.Button;
import android.widget.EditText;
```

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```
public class MainActivity extends
```

```
AppCompatActivity { EditText et;
```

```
Button btn; @Override
```

```
protected void onCreate(Bundle savedInstanceState)
```

```
{
```

```
super.onCreate(savedInstanceState);
```

```
setContentview(R.layout.activity_main);
```

```
et = findViewById(R.id.et-1);
```

```
btn.setOnClickListener(new View.OnClickListener() {
```

```
@Override
```

```
public void
```

```
onClick(View v) {
```

```
String
```

```
s = et.getText().toString();
```

```
String();
```

```
Intent i = new Intent(Intent.ACTION_VIEW,
```

```
Uri.parse(s)); startActivity(i);
```

```
}
```

```
});
```

```
}
```

```
}
```

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