

**Name :** Sakshi bisht

**Roll no :** 1922055

**Subject :** Mobile App Developement.

**Ques1. Develop an android application to demonstrate Implicit as well as Explicit Intent.**

**manifest.xml>**

```
<?xml version="1.0" encoding="utf-8"?>
<manifest xmlns:android="http://schemas.android.com/apk/res/android"
package="com.example.midterm">

    <application android:allowBackup="true"
android:icon="@mipmap/ic_launcher"
android:label="@string/app_name"
android:roundIcon="@mipmap/ic_launcher_round"
android:supportsRtl="true"
android:theme="@style/Theme.MidTerm">
        <activity
android:name=".MainActivity"
android:exported="true">
            <intent-filter>
                <action android:name="android.intent.action.MAIN" />
                <category android:name="android.intent.category.LAUNCHER" />
            </intent-filter>
        </activity>
        <activity
android:name=".ExplicitActivity"
android:exported="true">
            </activity>
    </application>

</manifest>
```

**MainActivity.java>**

```
package com.example.midterm;

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;

public class MainActivity extends AppCompatActivity {
    Button explicit , implicit;  @Override  protected void
    onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);  explicit =
        (Button)findViewById(R.id.explicit);  implicit =
        (Button)findViewById(R.id.implicit);

        explicit.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                Intent i = new Intent(getApplicationContext() ,ExplicitActivity.class);
                startActivity(i);
            }
        });

        implicit.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {          Intent
            i = new Intent(Intent.ACTION_DIAL);
                i.setData(Uri.parse("tel:"+ "96905510571"));
                startActivity(i);
            }
        });

    }
}

```

## ExplicitActivity>

```

package com.example.midterm;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;

public class ImplicitActivity extends AppCompatActivity {

```

```

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

```

## MainActivity.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">

```

```

    <TextView        android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:text="Sakshi                                Bisht"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintLeft_toLeftOf="parent"
app:layout_constraintRight_toRightOf="parent"
app:layout_constraintTop_toTopOf="parent" />

```

```

    <Button        android:id="@+id/implicit"
android:layout_width="222dp"
android:layout_height="60dp"
android:layout_marginBottom="160dp"
android:text="Implicit"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="0.551"
app:layout_constraintStart_toStartOf="parent" />

```

```

    <Button        android:id="@+id/explicit"
android:layout_width="222dp"
android:layout_height="60dp"
android:layout_marginTop="484dp"
android:text="Explicit"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="0.551"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toTopOf="parent" />

```

```

</androidx.constraintlayout.widget.ConstraintLayout>

```

## ExplicitActivity.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=".ExplicitActivity">

    <TextView
        android:id="@+id/textView"
        android:layout_width="367dp"
        android:layout_height="415dp"
        android:text="This is
triggred via explicit intent"
        android:textSize="50px"
        android:textAlignment="center"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
    />
</androidx.constraintlayout.widget.ConstraintLayout>
```







