Name : Vaidika Pun
Course : Bsc IT
Roll no : 1922070
Date : 1ʰ Oct 2021
Sub : mobile Application Development
father's name : Prem Singh Pun .

Q1 Develop an android application to demonstrate.
implicit as well as explicit intent .

Implicit and explicit.

```
import and android. Content. Intent;
import android . net. Uri;
import
android. support. v7. app. App CompactActivity;
import android. os. Bundle;
import android. view. View;
import android. widget. Button;

Public class MainActivity extends
AppCompatActivity
{
@ override
protected void onCreate (Bund'eSavedInstanceState)
{
super. onCreate (savedInstanceState);
set ContentView (R. layout. activity_main;
// implicit intent example
Button btn_Implicit = (Button) findViewById (R.id.button
_im);
btn_implicit. setonclickListener (new View .onClick list
ener ()
```

```java
@override
public void onclick (View view)
{
    String url = "https : // tutorial.eyehunts.com";

    //action
    Intent i = new
    Intent ( Intent.ACTION_VIEW);
    // data.
    i.setData(uri.parse (url));
    StartActivity ();
    }
});
    // Explicit intent example
    Button btn_ Explicit = (Button)findViewById (R.id.button_
    ex);
    btn_Explicit.setOnclickListener (new View.onClickListener
    ()
    {
    @override
    Public void onclick (View view)
    {
    Intent intent = new
    intent (mainActivity.this.SecondActivity.class);
    StartActivity(intent);
    }
    });
    }
    }
```

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XML

```xml
<xml version = "1.0" encoding = "utf-8">
< android.support. Constraint. ConstraintLayout
Xmlns : android = " http://Schemas. android.com/apk/res/
android "
Xmlns : tools = " http://schemas. android. com/tool "
android: Layout_width = "match_parent"
android : Layout_height = "match_parent"
tools: Context = ".MainActivity">

< TextView
android: id = "@+id/text view"
android: layout_width = "wrap_content"
android: Layout_height = "wrap_content"
android : layout_marginLeft = "8dp"
android : layout_marginRight = "8dp"
android: Layout_marginTop = "8dp"
android : text = "Types of Intent - Implicit and Explicit
Intent in Android"
app : layout_ConstraintLeft_toleftof = "parent"
app : layout_ConstraintRight_to Rightof = "Parent"
app : layout_Constraint Top_toTopof = "parent"/>

< Button
android: id = "@+id/button_im"
android: Layout_width = "wrap_content"
android : Layout_height = "wrap_content"
android : Layout_marginEnd = "8dp"
android : Layout_marginLeft = "8dp"
```
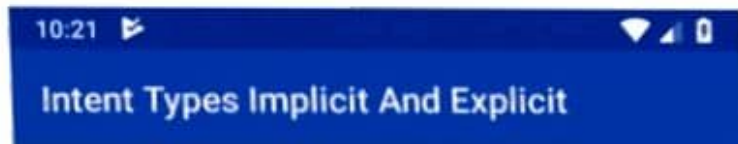
```xml
    android:layout_marginRight="8dp"
    android:layout_marginStart="8dp"
    android:layout_marginTop="20dp"
    android:text="Implicit Intent Button"
    app:layout_ConstraintEnd_toEndof="parent"
    app:layout_ConstraintStart_to startof="parent"
    app:layout_Constraint Top_to Bottom of="@+id/textView"/>

<Button
    android:id="@+id/button_ex"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginEnd="8dp"
    android:layout_marginLeft="8dp"
    android:layout_marginRight="8dp"
    android:layout_marginStart="8dp"
    android:layout_marginTop="40dp"
    android:text="Explicit Intent Button"

    app:layout_ConstraintEnd_toEndof="parent"
    app:layout_ConstraintStart_tostartof="Parent"
    app:layout_ConstraintTop_toBottomof="@+id/button_im"/>
</android.support.constraint.ConstraintLayout>
```
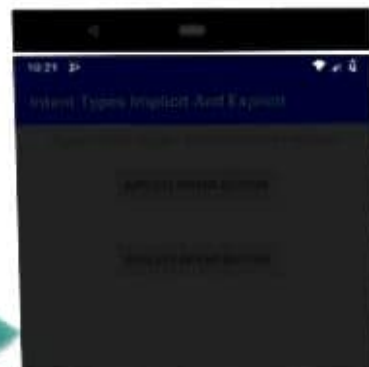
Intent Types Implicit And Explicit

Types of Intent - Implicit and Explicit Intent in Android

IMPLICIT INTENT BUTTON

EXPLICIT INTENT BUTTON

Explicit Example

Intent Types Implicit And Explicit

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Q2 Develop an android application to demostrate activity life cycle using logcat.

```
Package Com.example.activitylifecycle;
import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;
import android.util.Log;
Public class mainActivity extends
AppCompatActivity
{
Public static final String Status =MainActivity.class.getSimple
Name ();
@override
Protected void oncreate (Bundle SavedInstanceState)
{
super.oncreate (savedInstanceState);
setContentView (R.layout.activity_main);
Log.i (State,"In method onCreate");
}
@override
Protected void onStart ()
{
super.onStart ();
Log.i (status,"In method onStart");
```

```java
}
@override
Protected void onStart()
{
    super.onResume();
    Log.i(status, "In method onResume");
}
@override
Protected void onPause()
{
    super.onResume()
    Super.onPause();
    Log.i(status,"In Method of onPause");
}
@override
Protected void onStop()
{
    Super.onStop();
    log.i(status,"In method onStop");
}
@override
Protected void onDestroy()
{
    super.onDestroy();
    log.i(status,"In method onDestroy");
}
}
```

XML.

```xml
<xml version="1.0" encoding="utf-8">
<manifest xmlns:android="http://schemas.android.com/apk/res/android"
Package="Com.easy calling.myapplication">

<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.MyApplication"/>
</manifest>
```

2021-09-07 18:16:56.817 11270-11270/com.example.activitylifecycle I/MainActivity: In Method OnPause
2021-09-07 18:16:56.828 11270-11294/com.example.activitylifecycle D/EGL_emulation: eglMakeCurrent: 0xa8a05120: ver 3 0 (tinfo 0xa8a032a0)
2021-09-07 18:16:56.829 11270-11270/com.example.activitylifecycle I/MainActivity: In Method OnStop
2021-09-07 18:17:03.433 11270-11270/com.example.activitylifecycle I/MainActivity: In Method OnStart
2021-09-07 18:17:03.434 11270-11270/com.example.activitylifecycle I/MainActivity: In Method OnResume

```
2021-09-07 18:16:31.824 11270-11270/com.example.activitylifecycle I/MainActivity: In Method OnCreate
2021-09-07 18:16:31.825 11270-11270/com.example.activitylifecycle I/MainActivity: In Method OnStart
2021-09-07 18:16:31.827 11270-11270/com.example.activitylifecycle I/MainActivity: In Method OnResume
```