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Course :- BCA 5th B

Semester :- 5th

Subject :- Mobile application Development

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Ques. Develop an android application to demonstrate implicit as well as Explicit intent.

Ans Implicit Intent

activity-main.xml

```
<?xml version="1.0" encoding="utf-8"?>
```

```
<android.support.constraint.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">
```


<Edit Text

android: id = "@+id/editText1"

android: layout_width = "0dp"

android: layout_height = "wrap-content"

android: layout_alignParentTop = "true"

android: layout_centerHorizontal = "true"

android: layout_marginTop = "136dp"

android: ems = "10"

app: layout_constraintEnd_toEndOf = "parent"

app: layout_constraintStart_toStartOf =
"parent"

app: layout_constraintTop_toTopOf = "parent" />

<Button

android: id = "@+id/button1"

android: layout_width = "wrap-content"

android: layout_height = "wrap-content"

android: layout_below = "@+id/editText1"

android: layout_centerHorizontal = "true"

android: layout_marginTop = "49dp"

android: layout_marginEnd = "132dp"

android: text = "click"

app: layout_constraintEnd_toEndOf = "@+id/
editText1"

app: layout_constraintTop_toBottomOf = "@+id/
editText1" />

</android.support.constraint.constraint

mainActivity.java

```
package org.gee
```

```
import android.app.Activity;
```

```
import android.content.Intent;
```

```
import android.net.Uri;
```

```
import android.os.Bundle;
```

```
import android.view.View;
```

```
import android.widget.Button;
```

```
import android.widget.EditText;
```

```
public class MainActivity extends Activity {
```

```
    @Override
```

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

```
{
```

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

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

```
    final EditText editText1 = (EditText)
```

```
    findViewById(R.id.edit_text1);
```

```
    Button button = (Button) findViewById(R.id.button1);
```

```
    button.setOnClickListener(new View.OnClickListener()
```

```
    @Override
```

```
    public void onClick(View v)
```


{

String url = editText1.getText().
toString();

Intent intent = new Intent(Intent.
ACTION_VIEW, Uri.parse(url));
startActivity(intent);

}

});

}

}

Explicit intent

Main Activity-1

```
<?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="Main-Activity">
```

```
<TextView
```

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

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

```
android:text="Hello, This is Activity 1"
```

```
android:gravity="center"
```

```
android:layout_marginTop="90dp"
```

```
android:textSize="40dp"
```

```
android:textColor="@color/teal-200"
```

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

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


<Button

android:layout_width = "wrap-content"

android:layout_height = "wrap-content"

android:layout_below = "@+id/tv_1"

android:layout_margin_top = "60dp"

android:id = "@+id/btn1"

android:layout_centerHorizontal = "true"

android:text = "Click Here for Activity2"

</RelativeLayout>

Code for Explicit Intent

~~Java Code~~ MainActivity - Java

```
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)
```

```
{ super.onCreate(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);
```


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"
```

```
xmlnsxmlns: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:layout_centerVertical="true"
```

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

```
200"/>
```

```
</RelativeLayout>
```


Activity 2. Java

```
import android.app.Activity;
import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.view.View.OnClickListener;
import android.widget.Button;
```

```
public class Activity2 extends Activity {
```

```
    Button button1;
```

```
    @Override
```

```
    public void onCreate(Bundle bundle)
    {
```

```
        super.onCreate(bundle);
```

```
        setContentView(R.layout.activity_two);
```

```
        button1 = (Button) findViewById(R.id.Button01);
```

```
        button1.setOnClickListener(new OnClickListener() {
```

```
            public void onClick(View view)
```

```
            {
```

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

```
                startActivity(i);
```

```
            }
```

```
        });
```

```
    }
```

```
}
```