

Date - 1/10/21

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Course - BCA 5' B'

Subject - Android Studio (Practical)

Q.1. Android application to demonstrate  
implicit, explicit intent.

Ans.

Explicit

Main Activity - 1 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 = ".MainActivity" >
```

### < 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_marginTop = "60dp"  
    android: id = "@+id/btn_1"  
    android: layout_centerHorizontal = "true"  
    android: text = "click here for Activity 2"/>
```

### </ RelativeLayout>

Java code :-

```
package com.example.intent;
import android.appCompat.AppCompatActivity;
import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import androidx.appcompat.widget.Toolbar;
public class MainActivity extends AppCompatActivity {
    Toolbar toolbar;
    Button btn;
    TextView tv;
```

@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()  
{}
```

```
@Override  
public void onClick(View v)  
{  
    Intent i = new  
    Intent(getApplicationContext(), Activity2.  
    Class);  
    i; }  
    { }  
    { }
```

## Main Activity - 2 code

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```
<?xml version="1.0" encoding = "utf-8"?>
<Relative Layout
xmlns: android = "http://schemas.android.
com/apk/res/android"

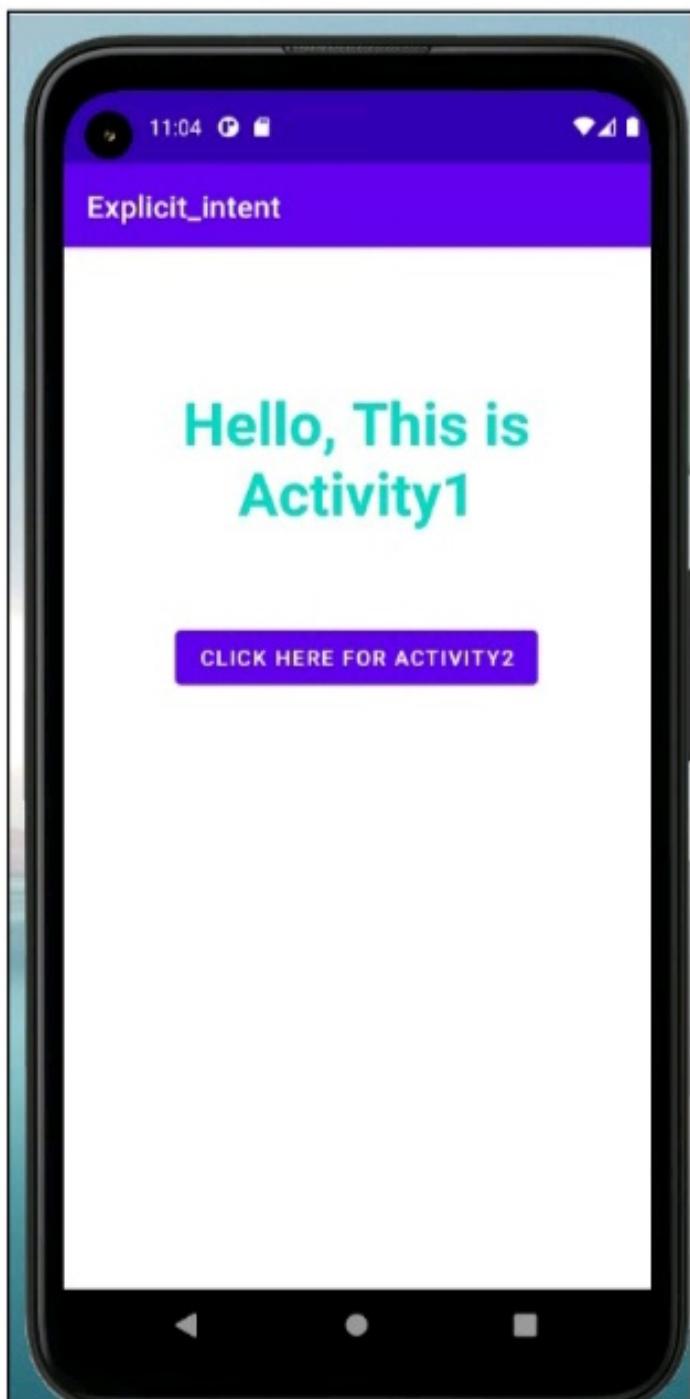
xmlns: app = "http://schemas.android.
com/apk/res-auto;

tools : context = "Activity 2"
com / tools"

<Text View

    android: layout_width = "match_parent"
    android: layout_height = "wrap_content"
    android: text = "Hello This is Activity 2"
    android: textSize = "40 dp"
    android: layout_centerHorizontal = "true"
    android: textColor = "@color/teal" />

</Relative Layout>
```



## Implicit

```
<?xml version = "1.0" encoding  
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/edit_1"
```

```
android:inputType = "text"
```

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```
    android:padding = "30 dp"  
    android:background = "@+color/teal_700"  
    android:layout_below = "@+id/et_1"  
    android:layout_marginLeft = "80 dp"  
    android:layout_marginTop = "40 dp" />  
  
</RelativeLayout>
```

Java code:-

```
package com.example.implicit_intent;  
import android.appCompat.app.AppCompatActivity;  
import android.net.Uri;  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
  
import android.widget.EditText;
```

Public class MainActivity extends AppCompatActivity {  
 }

Super.onCreate(savedInstanceState);  
SetContentView(R.layout.activity\_main);

```
et = findViewById(R.id.et_1);
btn = findViewById(R.id.btn_1);
btn.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        Intent i = new Intent(Intent.ACTION_VIEW,
                Uri.parse("http://www.google.com"));
        startActivity(i);
    }
});
```

```
@Override
public void onClick(View v) {
    et.setText("Hello World");
}
```

```
Intent i = new Intent(Intent.ACTION_VIEW,
        Uri.parse("http://www.google.com"));
startActivity(i);
```

```
};
```

```
};
```

```
};
```

S. Darav

