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**Roll No: 30**

**Batch: B**

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ANDROID LAB

**Experiment No.: 25**

**Aim**

Write a program to Implement Popup Menu

**Procedure**

**Activity\_main.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">  
<Button  
android:layout\_width="wrap\_content"  
android:layout\_height="wrap\_content"  
android:text="Show Popup MEnu !"  
android:id="@+id/popup"  
app:layout\_constraintBottom\_toBottomOf="parent"  
app:layout\_constraintEnd\_toEndOf="parent"  
app:layout\_constraintStart\_toStartOf="parent"  
app:layout\_constraintTop\_toTopOf="parent" />  
</androidx.constraintlayout.widget.ConstraintLayout>

**MainActivity.java**

package com.example.popupmenuapplication;  
import androidx.appcompat.app.AppCompatActivity;  
import android.os.Bundle;  
import android.view.MenuItem;  
import android.view.View;  
import android.widget.Button;  
import android.widget.PopupMenu;  
import android.widget.Toast;  
public class MainActivity extends AppCompatActivity {  
Button popupButton;  
@Override  
protected void onCreate(Bundle savedInstanceState) {  
super.onCreate(savedInstanceState);  
setContentView(R.layout.*activity\_main*);  
popupButton = findViewById(R.id.*popup*);  
popupButton.setOnClickListener(new View.OnClickListener() {  
@Override  
public void onClick(View view) {  
popupMenuExample();  
}  
});  
}  
private void popupMenuExample() {  
PopupMenu p = new PopupMenu(MainActivity.this, popupButton);  
p.getMenuInflater().inflate(R.menu.*popup\_menu*, p .getMenu());  
p.setOnMenuItemClickListener(new  
PopupMenu.OnMenuItemClickListener() {  
public boolean onMenuItemClick(MenuItem item) {  
Toast.*makeText*(MainActivity.this, item.getTitle(),  
Toast.*LENGTH\_SHORT*).show();  
return true;  
}  
});  
p.show();  
}  
}  
**pop\_menu.xml**

<?xml version="1.0" encoding="utf-8"?>  
<menu xmlns:android="http://schemas.android.com/apk/res/android">  
<item android:id="@+id/search\_item"  
android:icon="@drawable/ic\_baseline\_search\_24"  
android:title="Search" />  
<item android:id="@+id/upload\_item"  
android:icon="@drawable/ic\_baseline\_cloud\_upload\_24"  
android:title="Upload" />  
<item android:id="@+id/copy\_item"  
android:icon="@drawable/ic\_baseline\_content\_copy\_24"  
android:title="Copy" />  
<item android:id="@+id/print\_item"  
android:icon="@drawable/ic\_baseline\_print\_24"  
android:title="Print" />  
<item android:id="@+id/share\_item"  
android:icon="@drawable/ic\_baseline\_share\_24"  
android:title="Share" />  
<item android:id="@+id/bookmark\_item"  
android:icon="@drawable/ic\_baseline\_bookmark\_border\_24"  
android:title="BookMark" />  
</menu>