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**Roll No: 14**

**Batch: B**

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ANDROID LAB

**Experiment No.: 23**

**Aim**

Write a program to Implement Context 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 Floating Context MEnu !"  
android:id="@+id/button"  
app:layout\_constraintBottom\_toBottomOf="parent"  
app:layout\_constraintEnd\_toEndOf="parent"  
app:layout\_constraintStart\_toStartOf="parent"  
app:layout\_constraintTop\_toTopOf="parent" />  
</androidx.constraintlayout.widget.ConstraintLayout>

Floating\_context\_menu.xml

<?xml version="1.0" encoding="utf-8"?>  
<menu xmlns:android="http://schemas.android.com/apk/res/android"  
xmlns:app="http://schemas.android.com/apk/res-auto">  
<item android:id="@+id/setting"  
android:title="Settings"  
app:showAsAction="never"/>  
<item android:id="@+id/cancel"  
android:title="Cancel"  
app:showAsAction="never"/>  
<item android:id="@+id/edit"  
android:title="Edit"  
app:showAsAction="never"/>  
<item android:id="@+id/exit"  
android:title="Exit"  
app:showAsAction="never"/>  
<item android:id="@+id/logout"  
android:title="Logout"  
app:showAsAction="never"/>  
</menu>

MainActivity.java

package com.example.contextmenuapplication;  
import androidx.annotation.NonNull;  
import androidx.appcompat.app.AppCompatActivity;  
import android.os.Bundle;  
import android.view.ContextMenu;  
import android.view.MenuInflater;  
import android.view.MenuItem;  
import android.view.View;  
import android.widget.Button;  
import android.widget.Toast;  
public class MainActivity extends AppCompatActivity {  
Button button;  
@Override  
protected void onCreate(Bundle savedInstanceState) {  
super.onCreate(savedInstanceState);  
setContentView(R.layout.activity\_main);  
button = (Button) findViewById(R.id.button);  
registerForContextMenu(button);  
}  
@Override  
public void onCreateContextMenu(ContextMenu menu, View v,  
ContextMenu.ContextMenuInfo menuInfo) {  
super.onCreateContextMenu(menu, v, menuInfo);  
MenuInflater inflater = getMenuInflater();  
inflater.inflate(R.menu.floating\_context\_menu, menu);  
}  
@Override  
public boolean onContextItemSelected(@NonNull MenuItem item) {  
switch (item.getItemId()) {  
case R.id.setting:  
Toast.makeText(this, "Settings clicked ",  
Toast.LENGTH\_SHORT).show();  
return true;  
case R.id.cancel:  
Toast.makeText(this, "Cancel clicked ",  
Toast.LENGTH\_SHORT).show();  
return true;  
case R.id.edit:  
Toast.makeText(this, "Edit clicked ",  
Toast.LENGTH\_SHORT).show();  
return true;  
case R.id.exit:  
Toast.makeText(this, "Exit clicked ",  
Toast.LENGTH\_SHORT).show();  
return true;  
case R.id.logout:  
Toast.makeText(this, "Logout clicked ",  
Toast.LENGTH\_SHORT).show();  
return true;  
default:  
return super.onContextItemSelected(item);  
}  
}