**Program no: 19**

**Aim:** Implement Navigation drawer

# XML Code:

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

<androidx.drawerlayout.widget.DrawerLayout xmlns:android="<http://schemas.android.com/apk/res/android>" xmlns:app="[http://schemas.android.com/apk/res-auto"](http://schemas.android.com/apk/res-auto) xmlns:tools="[http://schemas.android.com/tools"](http://schemas.android.com/tools) android:layout\_width="match\_parent" android:layout\_height="match\_parent" tools:context=".MainActivity"

android:id="@+id/drawer">

<LinearLayout android:layout\_width="match\_parent" android:layout\_height="match\_parent">

<TextView android:layout\_width="match\_parent" android:layout\_height="match\_parent" android:text="Welcome" android:textSize="30dp">

</TextView>

</LinearLayout>

<com.google.android.material.navigation.NavigationView android:layout\_width="match\_parent" android:layout\_height="match\_parent" app:menu="@menu/menu" android:id="@+id/navigation\_view" android:layout\_gravity="start">

</com.google.android.material.navigation.NavigationView>

</androidx.drawerlayout.widget.DrawerLayout>

menu.xml

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

<menu xmlns:andr[oid="htt](http://schemas.android.com/apk/res/android)p:/[/schemas.android.com/](http://schemas.android.com/apk/res/android)a[pk/res/android"](http://schemas.android.com/apk/res/android)>

<item

android:id="@+id/profile" android:title="Profile"/>

<item

android:id="@+id/chats" android:title="Chats"/>

<item

android:id="@+id/logout" android:title="log out"/>

</menu>

# Java Code:

package com.example.myappp; import androidx.annotation.NonNull;

import androidx.appcompat.app.ActionBarDrawerToggle;

import androidx.appcompat.app.AppCompatActivity; import androidx.drawerlayout.widget.DrawerLayout; import android.os.Bundle;

import android.view.MenuItem; import android.widget.Toast;

import com.google.android.material.navigation.NavigationView; public class MainActivity extends AppCompatActivity implements

NavigationView.OnNavigationItemSelectedListener { public DrawerLayout drawerLayout;

public ActionBarDrawerToggle actionBarDrawerToggle; @Override

protected void onCreate(Bundle savedInstanceState) { super.onCreate(savedInstanceState); setContentView(R.layout.*activity\_main*); drawerLayout = findViewById(R.id.*drawer*);

actionBarDrawerToggle = new ActionBarDrawerToggle(this,drawerLayout, R.string.*nav\_open*, R.string.*nav\_close*);

drawerLayout.addDrawerListener(actionBarDrawerToggle); actionBarDrawerToggle.syncState(); getSupportActionBar().setDisplayHomeAsUpEnabled(true); NavigationView navigationView = findViewById(R.id.*navigation\_view*); navigationView.setNavigationItemSelectedListener(this);

}

@Override

public boolean onOptionsItemSelected(@NonNull MenuItem item) { if (actionBarDrawerToggle.onOptionsItemSelected(item)){

return true;

}

return super.onOptionsItemSelected(item);

}

@Override

public boolean onNavigationItemSelected(@NonNull MenuItem item) { int id=item.getItemId();

if(id == R.id.*profile*){

Toast.*makeText*(this, "Home Page", Toast.*LENGTH\_SHORT*).show();

}

if(id == R.id.*chats*){ Toast.*makeText*(this, "Settings Page",

Toast.*LENGTH\_SHORT*).show();

}

if(id == R.id.*logout*){

Toast.*makeText*(this, "Logout", Toast.*LENGTH\_SHORT*).show();

}

return false;

}

}

# Output:

