STEP 1:

implementation ‘com.google.android.material:material:1.3.0-alpha03’

STEP 2

|  |
| --- |
| <?xml version="1.0" encoding="utf-8"?>  <menu xmlns:android="<http://schemas.android.com/apk/res/android>"      xmlns:tools="<http://schemas.android.com/tools>"      tools:ignore="HardcodedText">        <item          android:id="@+id/nav\_account"          android:title="My Account" />        <item          android:id="@+id/nav\_settings"          android:title="Settings" />        <item          android:id="@+id/nav\_logout"          android:title="Logout" />    </menu> |

STEP 3

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

<!-- the root view must be the DrawerLayout -->

<androidx.drawerlayout.widget.DrawerLayout

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:id="@+id/my\_drawer\_layout"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

tools:context=".MainActivity"

tools:ignore="HardcodedText">

<LinearLayout

android:layout\_width="match\_parent"

android:layout\_height="match\_parent">

<TextView

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:layout\_marginTop="128dp"

android:gravity="center"

android:text="GeeksforGeeks"

android:textSize="18sp" />

</LinearLayout>

<!-- this the navigation view which draws and shows the navigation drawer -->

<!-- include the menu created in the menu folder -->

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

android:layout\_width="wrap\_content"

android:layout\_height="match\_parent"

android:layout\_gravity="start"

app:menu="@menu/navigation\_menu" />

</androidx.drawerlayout.widget.DrawerLayout>

STEP 4:

<resources>

<string name="app\_name">Navigation Drawer</string>

<!-- to toggle the open close button of the navigation drawer -->

<string name="nav\_open">Open</string>

<string name="nav\_close">Close</string>

</resources>

STEP 5

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;

public class MainActivity extends AppCompatActivity {

public DrawerLayout drawerLayout;

public ActionBarDrawerToggle actionBarDrawerToggle;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

// drawer layout instance to toggle the menu icon to open

// drawer and back button to close drawer

drawerLayout = findViewById(R.id.my\_drawer\_layout);

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

// pass the Open and Close toggle for the drawer layout listener

// to toggle the button

drawerLayout.addDrawerListener(actionBarDrawerToggle);

actionBarDrawerToggle.syncState();

// to make the Navigation drawer icon always appear on the action bar

getSupportActionBar().setDisplayHomeAsUpEnabled(true);

}

// override the onOptionsItemSelected()

// function to implement

// the item click listener callback

// to open and close the navigation

// drawer when the icon is clicked

@Override

public boolean onOptionsItemSelected(@NonNull MenuItem item) {

if (actionBarDrawerToggle.onOptionsItemSelected(item)) {

return true;

}

return super.onOptionsItemSelected(item);

}

}