Activity.xml

*<?*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="Navigation"  
 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>

Mainactivity.java

package com.example.myapplication;  
  
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*);  
 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);  
 }  
}

string.xml

<resources>  
 <string name="app\_name">My Application</string>  
 *<!-- to toggle the open close button of the navigation drawer -->* <string name="nav\_open">Open</string>  
 <string name="nav\_close">Close</string>

</resources>

Navigation\_menu

*<?*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>

output