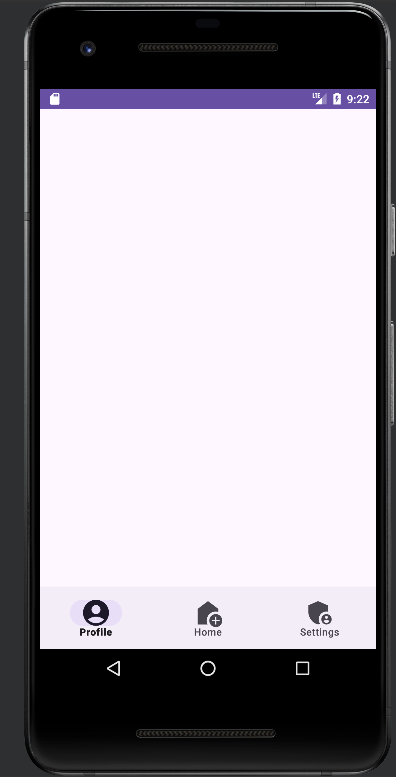
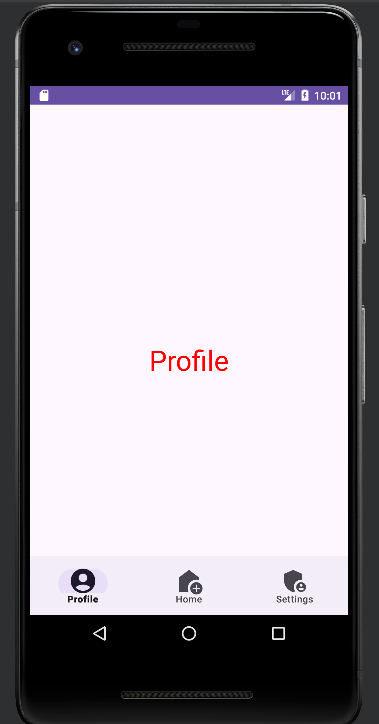
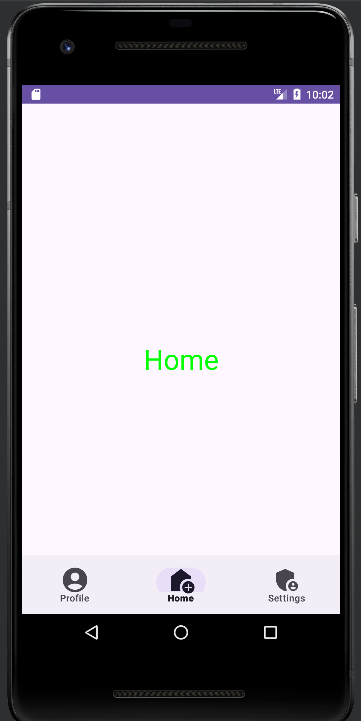
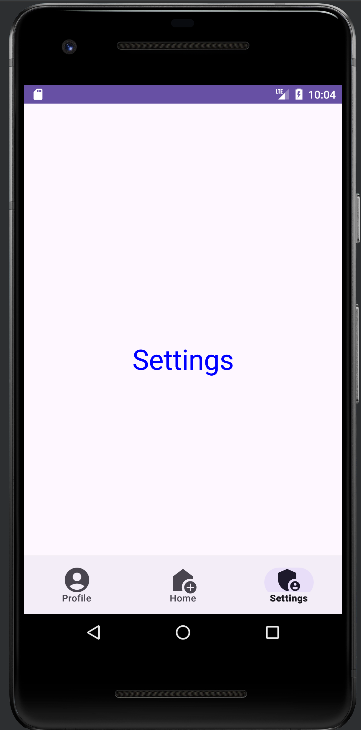
# ***MOBILE APP DEVELOPMENET LAB***

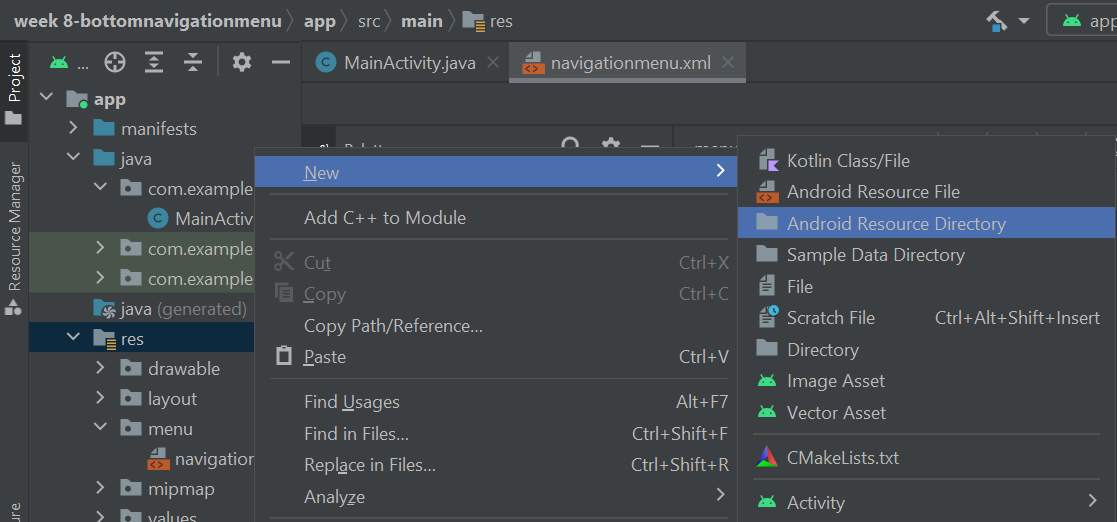
# ***Week 10***

Program: Design an android application for bottom navigation menu

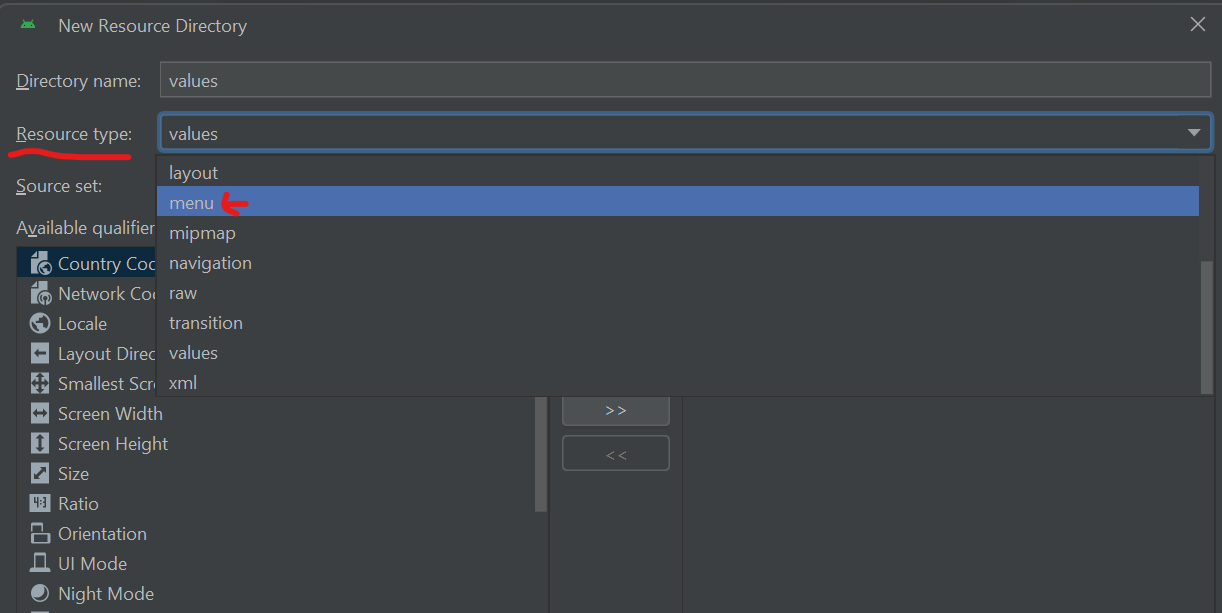
****  ****

****  ****

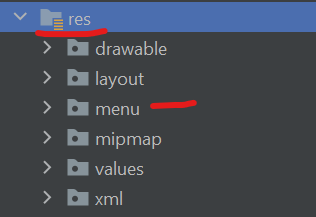
**Create android resource directory** -right click on res🡪new🡪Android resource directory



In resource type select menu

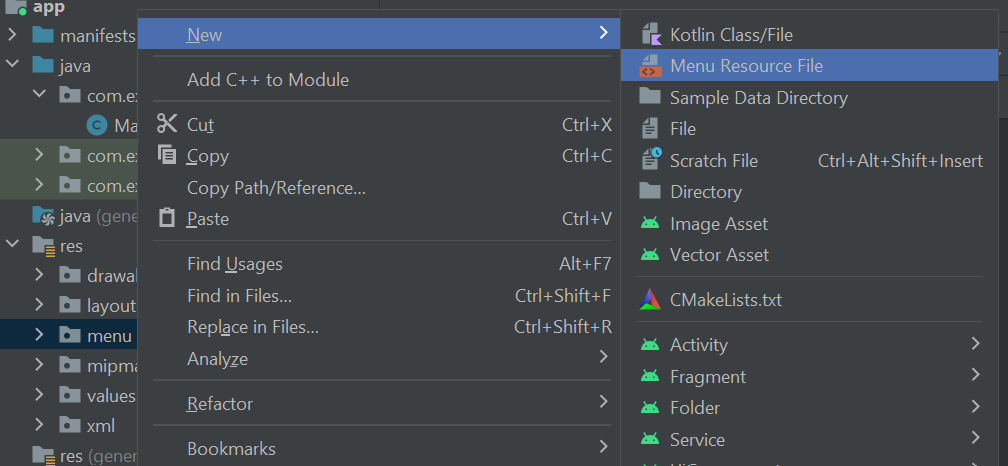


Menu folder will appear in the res directory

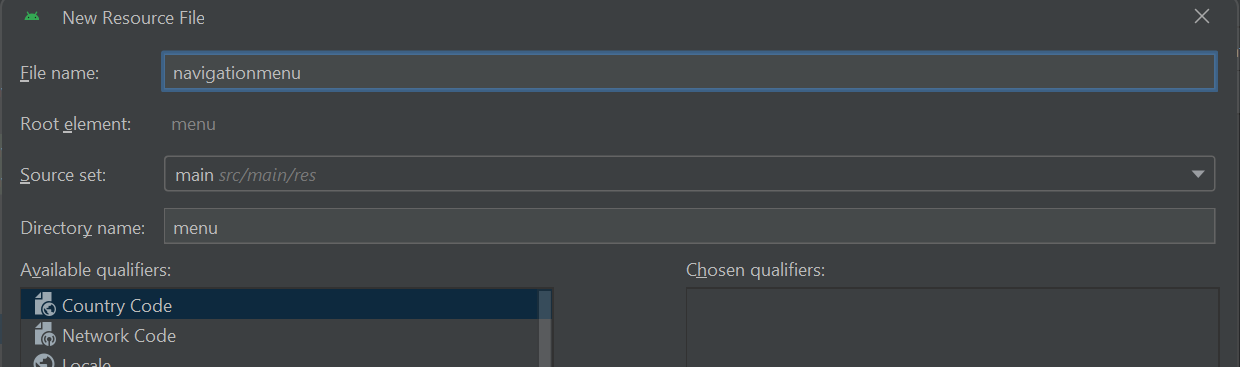


Create menu Resource file

Right click on Menu 🡪New 🡪 Menu Resource File

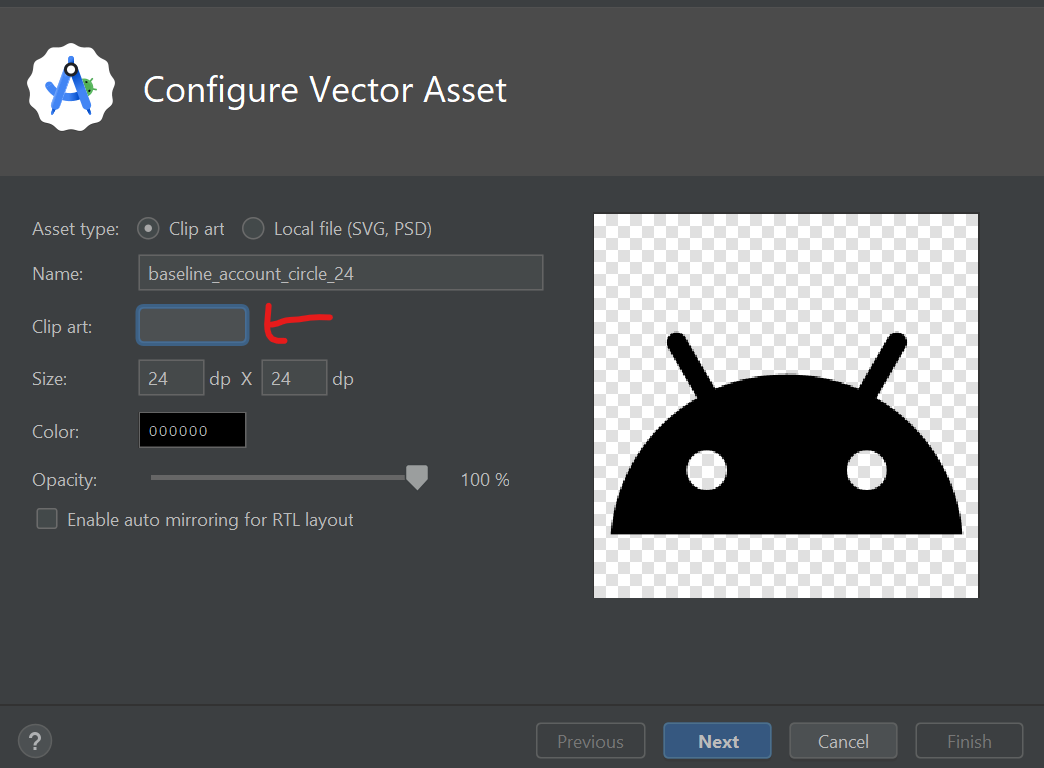


Name it navigationmenu

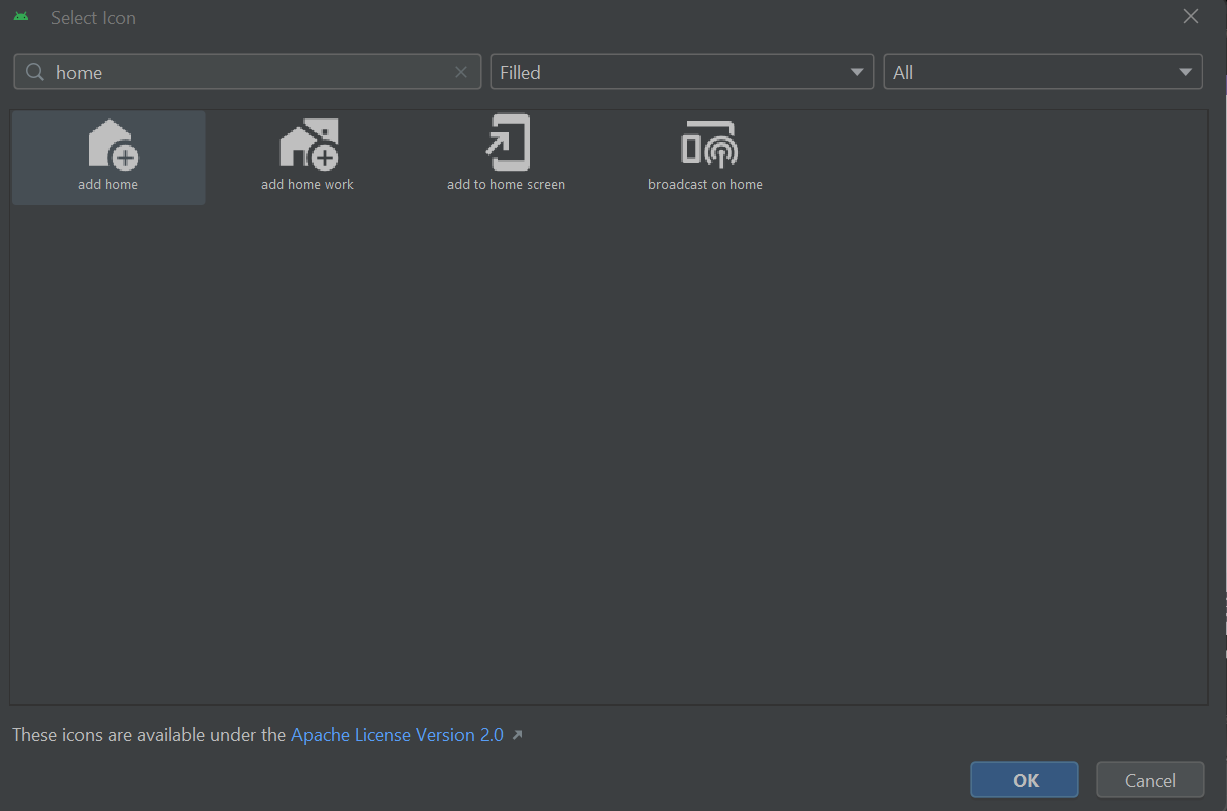


**Create icons**

Right click on Drawables🡪 New🡪 vector asset🡪clip art

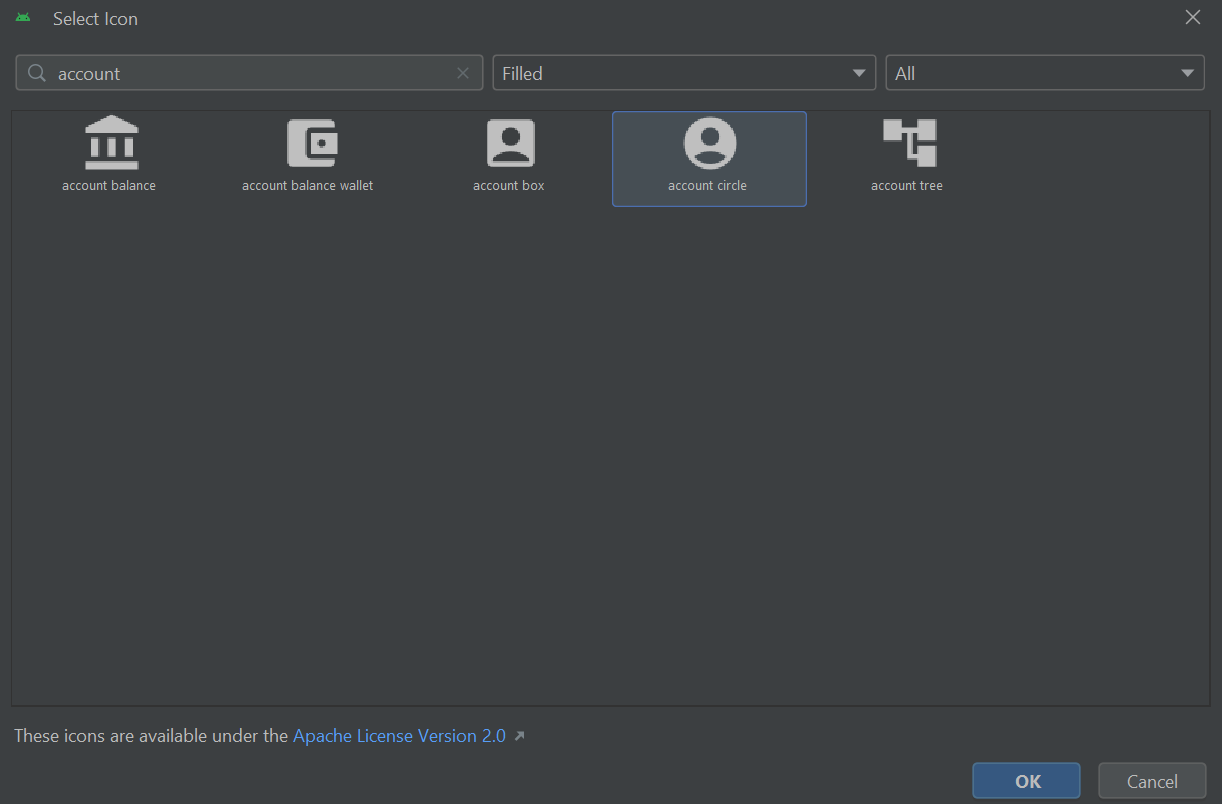


Search for home and select an icon



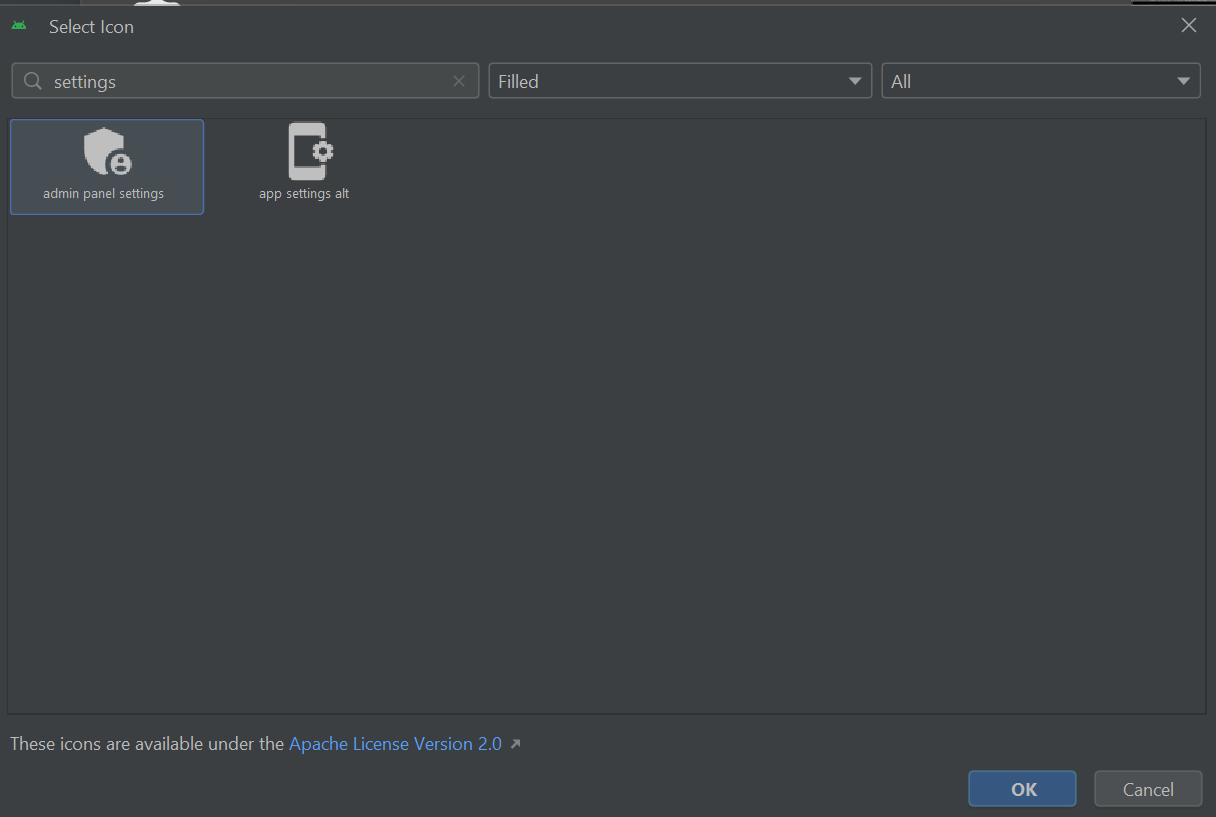
Right click on Drawables🡪 New🡪 vector asset🡪clip art

Search for account

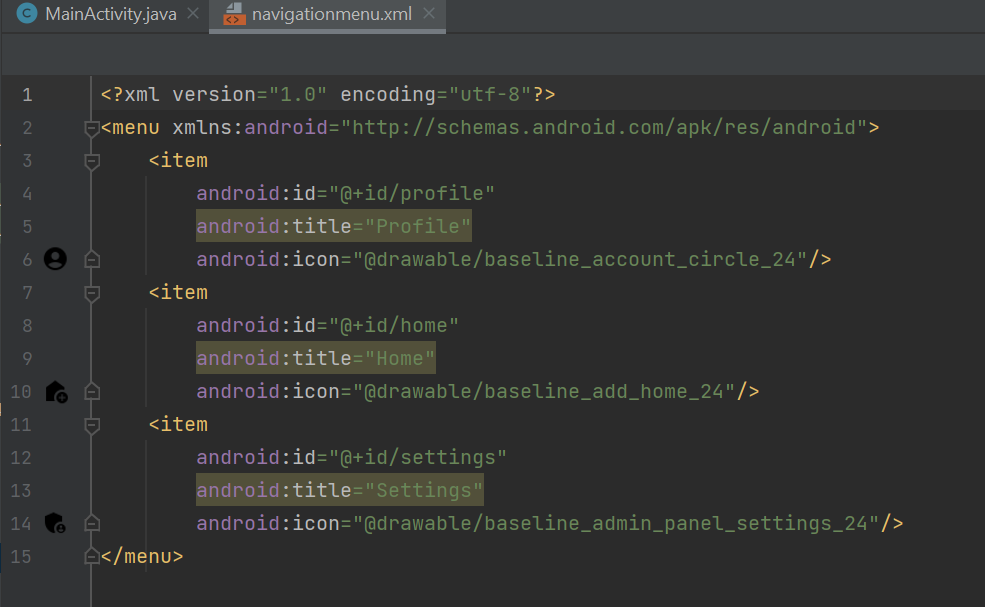


Right click on Drawables🡪 New🡪 vector asset🡪clip art

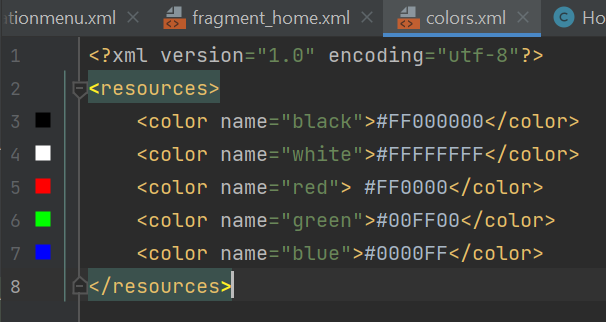
Search for settings



navigationmenu.xml

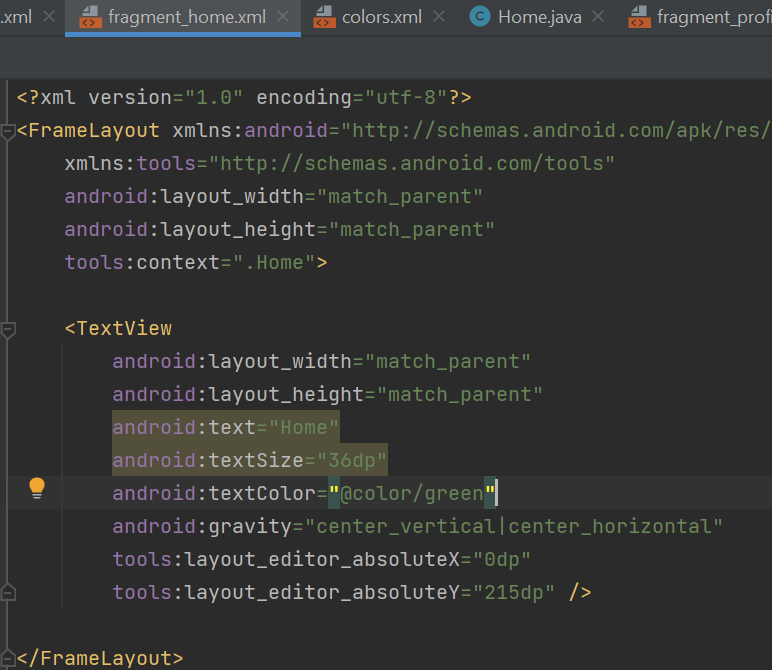


Res🡪values🡪colors.xml

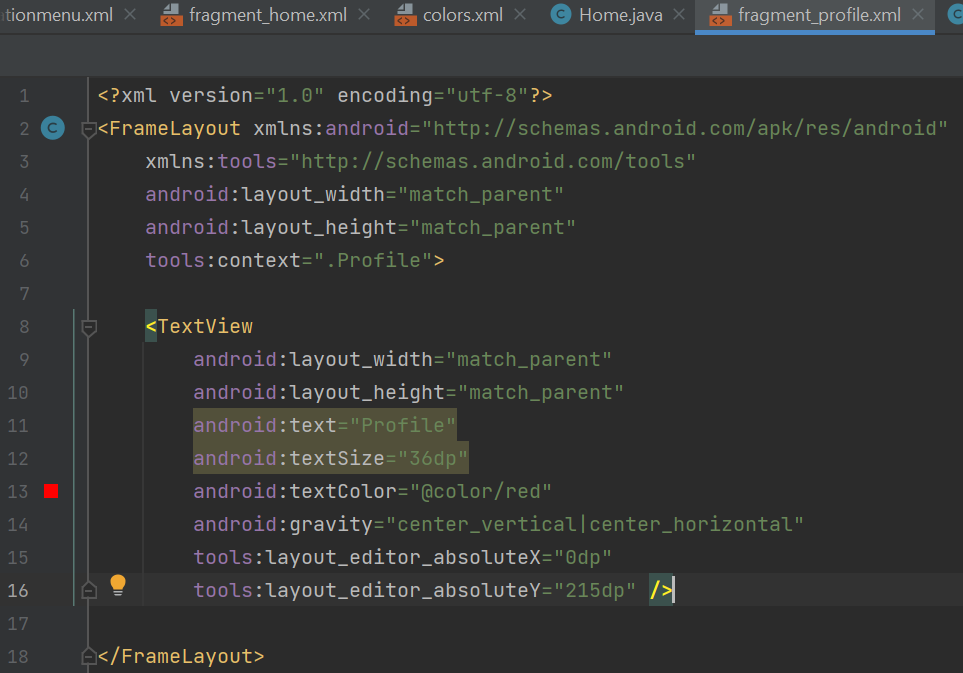


Create 3 fragments named Home,Profile Settings

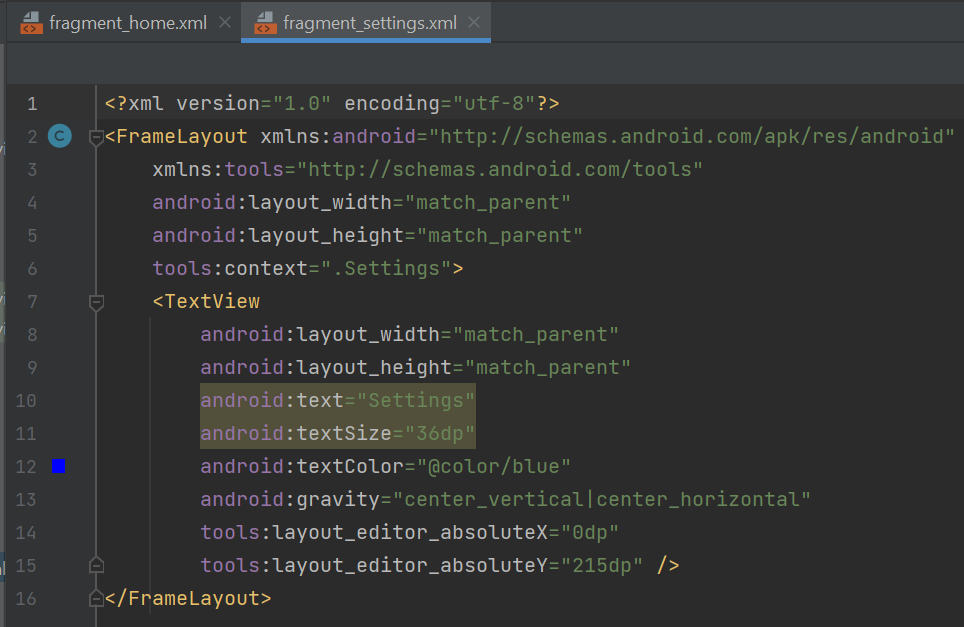
Fragment\_home.xml



Fragment\_profile.xml



fragment\_settings.xml



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">  
  
 <com.google.android.material.bottomnavigation.BottomNavigationView  
 android:id="@+id/bottomNavigationView"  
 android:layout\_width="match\_parent"  
 android:layout\_height="75dp"  
 app:menu="@menu/navigationmenu"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:itemIconSize="38dp"  
 tools:layout\_editor\_absoluteX="1dp" />  
  
 <FrameLayout  
 android:id="@+id/fragmentView"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 app:layout\_constraintBottom\_toTopOf="@+id/bottomNavigationView"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="1.0">  
  
 </FrameLayout>  
  
</androidx.constraintlayout.widget.ConstraintLayout>

MainActivity.java

package com.example.bottomnavigationmenu;  
  
import androidx.annotation.NonNull;  
import androidx.appcompat.app.AppCompatActivity;  
import androidx.fragment.app.Fragment;  
import androidx.fragment.app.FragmentTransaction;  
  
import android.os.Bundle;  
import android.view.MenuItem;  
  
import com.google.android.material.bottomnavigation.BottomNavigationView;  
import com.google.android.material.navigation.NavigationBarView;  
  
public class MainActivity extends AppCompatActivity {  
 BottomNavigationView bottomNavigationView;  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
 bottomNavigationView = findViewById(R.id.*bottomNavigationView*);  
 openFragment(new Profile());  
 bottomNavigationView.setOnItemSelectedListener(new NavigationBarView.OnItemSelectedListener() {  
 @Override  
 public boolean onNavigationItemSelected(@NonNull MenuItem item) {  
 int itemId = item.getItemId();  
 if (itemId == R.id.*profile*) {  
 openFragment(new Profile());  
 } else if (itemId == R.id.*home*) {  
 openFragment(new Home());  
 } else if (itemId == R.id.*settings*) {  
 openFragment(new Settings());  
 }  
 return true;  
 }  
 });  
 }  
 private void openFragment(Fragment fragment) {  
 FragmentTransaction transaction = getSupportFragmentManager().beginTransaction();  
 transaction.replace(R.id.*fragmentView*, fragment);  
 transaction.addToBackStack(null);  
 transaction.commit();  
 }  
}