```
package com.example.lab8;
import android.os.Bundle;
import com.google.android.material.snackbar.Snackbar;
import androidx.appcompat.app.AppCompatActivity;
import android.view.View;
import androidx.navigation.NavController;
import androidx.navigation.Navigation;
import androidx.navigation.ui.AppBarConfiguration;
import androidx.navigation.ui.NavigationUI;
import com.example.lab8.databinding.ActivityMainBinding;
import android.view.Menu;
import android.view.MenuItem;
public class MainActivity extends AppCompatActivity {
  private AppBarConfiguration appBarConfiguration;
  private ActivityMainBinding binding;
  @Override
  protected void onCreate(Bundle savedInstanceState) {
   super.onCreate(savedInstanceState);
   binding = ActivityMainBinding.inflate(getLayoutInflater());
   setContentView(binding.getRoot());
   setSupportActionBar(binding.toolbar);
   NavController navController = Navigation.findNavController(this,
R.id.nav_host_fragment_content_main);
   appBarConfiguration = new AppBarConfiguration.Builder(navController.getGraph()).build();
   NavigationUI.setupActionBarWithNavController(this, navController, appBarConfiguration);
   binding.fab.setOnClickListener(new View.OnClickListener() {
     @Override
     public void onClick(View view) {
       Snackbar.make(view, "Replace with your own action", Snackbar.LENGTH_LONG)
           .setAnchorView(R.id.fab)
           .setAction("Action", null).show();
     }
   });
 }
```

```
@Override
  public boolean onCreateOptionsMenu(Menu menu) {
   // Inflate the menu; this adds items to the action bar if it is present.
   getMenuInflater().inflate(R.menu.menu_main, menu);
   return true;
 }
  @Override
  public boolean onOptionsItemSelected(MenuItem item) {
   // Handle action bar item clicks here. The action bar will
   // automatically handle clicks on the Home/Up button, so long
   // as you specify a parent activity in AndroidManifest.xml.
   int id = item.getItemId();
   //noinspection SimplifiableIfStatement
   if (id == R.id.action_settings) {
     return true;
   }
   return super.onOptionsItemSelected(item);
 }
  @Override
  public boolean onSupportNavigateUp() {
   NavController navController = Navigation.findNavController(this,
R.id.nav_host_fragment_content_main);
   return NavigationUI.navigateUp(navController, appBarConfiguration)
       || super.onSupportNavigateUp();
 }
}
```