

2. Implement Options Menu to navigate to activities

samplemenu.xml

```
<?xml version="1.0" encoding="utf-8"?>
<menu xmlns:android="http://schemas.android.com/apk/res/android"
      xmlns:app="http://schemas.android.com/apk/res-auto">

    <item android:id="@+id/item1"
          android:title="item1" />
    <item android:id="@+id/item2"
          android:title="item2"
          app:showAsAction="ifRoom"/>
    <item android:id="@+id/item3"
          android:title="item3">
        <menu>
            <item android:id="@+id/subitem1"
                  android:title="sub1" />
            <item android:id="@+id/subitem2"
                  android:title="sub2" />
        </menu>
    </item>
</menu>
```

```
<?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">

    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Hello World!"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintLeft_toLeftOf="parent"
        app:layout_constraintRight_toRightOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

</androidx.constraintlayout.widget.ConstraintLayout>
```

Mainactivity1

```
package com.example.optionsmenu;

import androidx.annotation.NonNull;
import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.view.Menu;
import android.view.MenuInflater;
import android.view.MenuItem;
import android.widget.Toast;

public class MainActivity extends AppCompatActivity {

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
    }

    public boolean onCreateOptionsMenu(Menu menu) {
        MenuInflater inflater=getMenuInflater();
        inflater.inflate(R.menu.samplemenu,menu);
        return true;
    }

    @Override
    public boolean onOptionsItemSelected(@NonNull MenuItem item) {
        switch(item.getItemId())
        {
            case R.id.item1:
                Intent i=new Intent(this,MainActivity2.class);
                startActivity(i);
                break;
            case R.id.item2:

                Toast.makeText(getApplicationContext(),"item2",Toast.LENGTH_SHORT).show();
                break;
            case R.id.subitem1:

                Toast.makeText(getApplicationContext(),"subitem1",Toast.LENGTH_SHORT).show();
```

```

        break;
    case R.id.subitem2:
        Toast.makeText(getApplicationContext(),"subitem2",Toast.LENGTH_SHORT).show();
        break;

    }
    return true;
}
}

```





