**ANDROID LAB**

**Experiment No.: 11**

**Aim**

**Implement Options Menu to navigate to activities**

**Program**

------------------------------------------------------------------- XML Code -------------------------------------------------------------------

<?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="First Activity"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent" />

</androidx.constraintlayout.widget.ConstraintLayout>

------------------------------------------------------------------- Menu 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">

<group>

<item

android:id="@+id/second\_activity"

android:title="Second Activity"

app:showAsAction="never"

app:iconTint="@color/white"/>

<item

android:id="@+id/third\_activity"

android:title="Third Activity"

app:showAsAction="never"

app:iconTint="@color/white"/>

<item

android:id="@+id/fourth\_activity"

android:title="Fourth Activity"

app:showAsAction="never"

app:iconTint="@color/white"/>

</group>

</menu>

------------------------------------------------------------------- Java Code -------------------------------------------------------------------

package com.example.optionsmenunavigation;

import androidx.annotation.NonNull;

import androidx.appcompat.app.AppCompatActivity;

import android.annotation.SuppressLint;

import android.content.Intent;

import android.os.Bundle;

import android.view.Menu;

import android.view.MenuItem;

public class MainActivity extends AppCompatActivity {

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

}

@SuppressLint("NonConstantResourceId")

@Override

public boolean onOptionsItemSelected(@NonNull MenuItem item) {

int menu\_id= item.getItemId();

switch (menu\_id){

case R.id.second\_activity:{

Intent intent= new Intent(getApplicationContext(), SecondActivity.class);

startActivity(intent);

break;

}

case R.id.third\_activity:{

Intent intent= new Intent(getApplicationContext(), ThirdActivity.class);

startActivity(intent);

break;

}

case R.id.fourth\_activity:{

Intent intent= new Intent(getApplicationContext(), FourthActivity.class);

startActivity(intent);

break;

}

default:{

Intent intent= new Intent(getApplicationContext(), MainActivity.class);

startActivity(intent);

break;

}

}

return true;

}

@Override

public boolean onCreateOptionsMenu(Menu menu) {

getMenuInflater().inflate(R.menu.menu\_items,menu);

return super.onCreateOptionsMenu(menu);

}

}