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**Batch & Roll:** A3-63

**Experiment No.8**

**Title:** To develop an application using Menus in Android.

**MainActivity.java**

package com.example.optionsmenuapp;

import androidx.annotation.NonNull;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;

import android.os.Bundle;

import android.view.Menu;

import android.view.MenuItem;

import android.widget.TextView;

import android.widget.Toast;

public class MainActivity extends AppCompatActivity {

TextView changes;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

changes = findViewById(R.id.selected);

}

@Override

public boolean onCreateOptionsMenu(Menu menu) {

getMenuInflater().inflate(R.menu.mymenu,menu);

return super.onCreateOptionsMenu(menu);

}

@Override

public boolean onOptionsItemSelected(@NonNull MenuItem item) {

switch (item.getItemId()){

case R.id.FY:

changes.setText("First Year");

Toast.makeText(getApplicationContext(),"Going to FY",Toast.LENGTH\_SHORT).show();

Intent i1 = new Intent(MainActivity.this,FirstYear.class);

startActivity(i1);

return true;

case R.id.SY:

changes.setText("Second Year");

Toast.makeText(getApplicationContext(),"Going to SY",Toast.LENGTH\_SHORT).show();

Intent i2 = new Intent(MainActivity.this,SecondYear.class);

startActivity(i2);

return true;

case R.id.TY:

changes.setText("Third Year");

Toast.makeText(getApplicationContext(),"Going to TY",Toast.LENGTH\_SHORT).show();

Intent i3 = new Intent(MainActivity.this,ThirdYear.class);

startActivity(i3);

return true;

case R.id.BY:

changes.setText("Final Year");

Toast.makeText(getApplicationContext(),"Going to B.Tech.",Toast.LENGTH\_SHORT).show();

Intent i4 = new Intent(MainActivity.this,FinalYear.class);

startActivity(i4);

return true;

}

return super.onOptionsItemSelected(item);

}

}

**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">

<TextView

android:id="@+id/heading"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Options Menu Application"

android:textSize="25dp"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintHorizontal\_bias="0.365"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent"

app:layout\_constraintVertical\_bias="0.179" />

<TextView

android:id="@+id/selected"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="selected"

android:textSize="20dp"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintHorizontal\_bias="0.133"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toBottomOf="@+id/heading"

app:layout\_constraintVertical\_bias="0.1" />

</androidx.constraintlayout.widget.ConstraintLayout>

**Mymenu.xml**

<?xml version="1.0" encoding="utf-8"?>

<menu xmlns:android="http://schemas.android.com/apk/res/android">

<item

android:title="First Year"

android:id="@+id/FY" />

<item

android:title="Second Year"

android:id="@+id/SY" />

<item

android:title="Third Year"

android:id="@+id/TY"/>

<item

android:title="Final Year"

android:id="@+id/BY"/>

</menu>

**Other activities:**

**FirstYear, SecondYear, ThirdTear, FinalYear.**

**Output:-**

 