**Practical No: 06**

**Aim**: Program to demonstrate the menu Application

**Performed By:** Yogesh Gavande

**Class:** BCA-III SEM-V

**Date:**

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Code:**

**Activity\_Main.java**

package com.example.demomenu;  
  
import android.os.Bundle;  
import android.view.MenuInflater;  
import android.view.MenuItem;  
import android.view.View;  
import android.widget.Button;  
import android.widget.PopupMenu;  
import android.widget.Toast;  
import androidx.appcompat.app.AppCompatActivity;  
  
public class MainActivity extends AppCompatActivity {  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
  
 Button menuButton = findViewById(R.id.*menuButton*);  
 menuButton.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View v) {  
 showPopupMenu(v);  
 }  
 });  
 }  
  
 private void showPopupMenu(View v) {  
 PopupMenu popup = new PopupMenu(this, v);  
 MenuInflater inflater = popup.getMenuInflater();  
 inflater.inflate(R.menu.*main\_menu*, popup.getMenu());  
  
 popup.setOnMenuItemClickListener(new PopupMenu.OnMenuItemClickListener() {  
 @Override  
 public boolean onMenuItemClick(MenuItem item) {  
 int id = item.getItemId();  
 if (id == R.id.*action\_History*) {  
 Toast.*makeText*(MainActivity.this, "History selected", Toast.*LENGTH\_SHORT*).show();  
 return true;  
 } else if (id == R.id.*action\_bookMark*) {  
 Toast.*makeText*(MainActivity.this, "bookmark selected", Toast.*LENGTH\_SHORT*).show();  
 return true;  
 }  
 return false;  
 }  
 });  
  
 popup.show();  
 }  
}

**acitivity\_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"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent">  
  
 <TextView  
 android:id="@+id/textView"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Welcome to my App"  
 android:textSize="18sp"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintLeft\_toLeftOf="parent"  
 app:layout\_constraintRight\_toRightOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent" />  
  
 <Button  
 android:id="@+id/menuButton"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text=" See Other Option "  
 app:layout\_constraintTop\_toBottomOf="@id/textView"  
 app:layout\_constraintLeft\_toLeftOf="parent"  
 app:layout\_constraintRight\_toRightOf="parent"  
 android:layout\_marginTop="16dp" />  
  
</androidx.constraintlayout.widget.ConstraintLayout>

**Output:**

