

## 7. Create a Menus in Application:

Steps: First Create Menu.xml file

1. Go to res file
2. Right Click -> New -> Android Resource File -> Resource file-> menu

### Menu item.xml

```
<?xml version="1.0" encoding="utf-8"?>
<menu xmlns:android="http://schemas.android.com/apk/res/android">
  <item android:id="@+id/c"
        android:title="C programming"/>
  <item android:id="@+id/python"
        android:title="Python Programming"/>
  <item android:id="@+id/java"
        android:title="Java"/>
  <item android:id="@+id/sharp"
        android:title="C#"/>
</menu>
```

### Manifest File:

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

  <application
    android:allowBackup="true"
    android:dataExtractionRules="@xml/data_extraction_rules"
    android:fullBackupContent="@xml/backup_rules"
    android:icon="@mipmap/ic_launcher"
    android:label="@string/app_name"
    android:roundIcon="@mipmap/ic_launcher_round"
    android:supportRtl="true"
    android:theme="@style/Theme.AppCompat.Light"
    tools:targetApi="31">
    <activity
      android:name=".MainActivity"
      android:exported="true">
      <intent-filter>
        <action android:name="android.intent.action.MAIN" />

        <category android:name="android.intent.category.LAUNCHER" />
      </intent-filter>
    </activity>
  </application>

</manifest>
```

## **ActivityMain.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:id="@+id/main"
    android:layout_width="match_parent"
    android:background="#789456"
    android:layout_height="match_parent"
    tools:context=".MainActivity">

    <TextView
        android:id="@+id/textView"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="HOME PAGE"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />
</androidx.constraintlayout.widget.ConstraintLayout>
```

## **MainActivity.java:**

```
package com.example.menu;

import android.os.Bundle;
import android.view.Menu;
import android.view.MenuItem;
import android.widget.Toast;

import androidx.activity.EdgeToEdge;
import androidx.annotation.NonNull;
import androidx.appcompat.app.AppCompatActivity;
import androidx.core.graphics.Insets;
import androidx.core.view.ViewCompat;
import androidx.core.view.WindowInsetsCompat;

public class MainActivity extends AppCompatActivity {
    @Override
    public boolean onCreateOptionsMenu(Menu menu) {
        getMenuInflater().inflate(R.menu.menu_item,menu);
        return true;
    }
}
```

@Override

```
public boolean onOptionsItemSelected(@NonNull MenuItem item) {  
    if(item.getItemId()==R.id.c){  
        Toast.makeText(this,"You selected C programming",Toast.LENGTH_SHORT).show();  
    }  
    if(item.getItemId()==R.id.python){  
        Toast.makeText(this,"You selected Python",Toast.LENGTH_SHORT).show();  
    }  
    if(item.getItemId()==R.id.java){  
        Toast.makeText(this,"You selected JAVA",Toast.LENGTH_SHORT).show();  
    }  
    if(item.getItemId()==R.id.sharp){  
        Toast.makeText(this,"You selected C#",Toast.LENGTH_SHORT).show();  
    }  
    return super.onOptionsItemSelected(item);  
}
```

@Override

```
protected void onCreate(Bundle savedInstanceState) {  
    super.onCreate(savedInstanceState);  
    EdgeToEdge.enable(this);  
    setContentView(R.layout.activity_main);  
}  
}
```

## Output:



