**Aim:- Programming Menus Fragments.**

**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:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Hello World!"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent" />  
  
</androidx.constraintlayout.widget.ConstraintLayout>

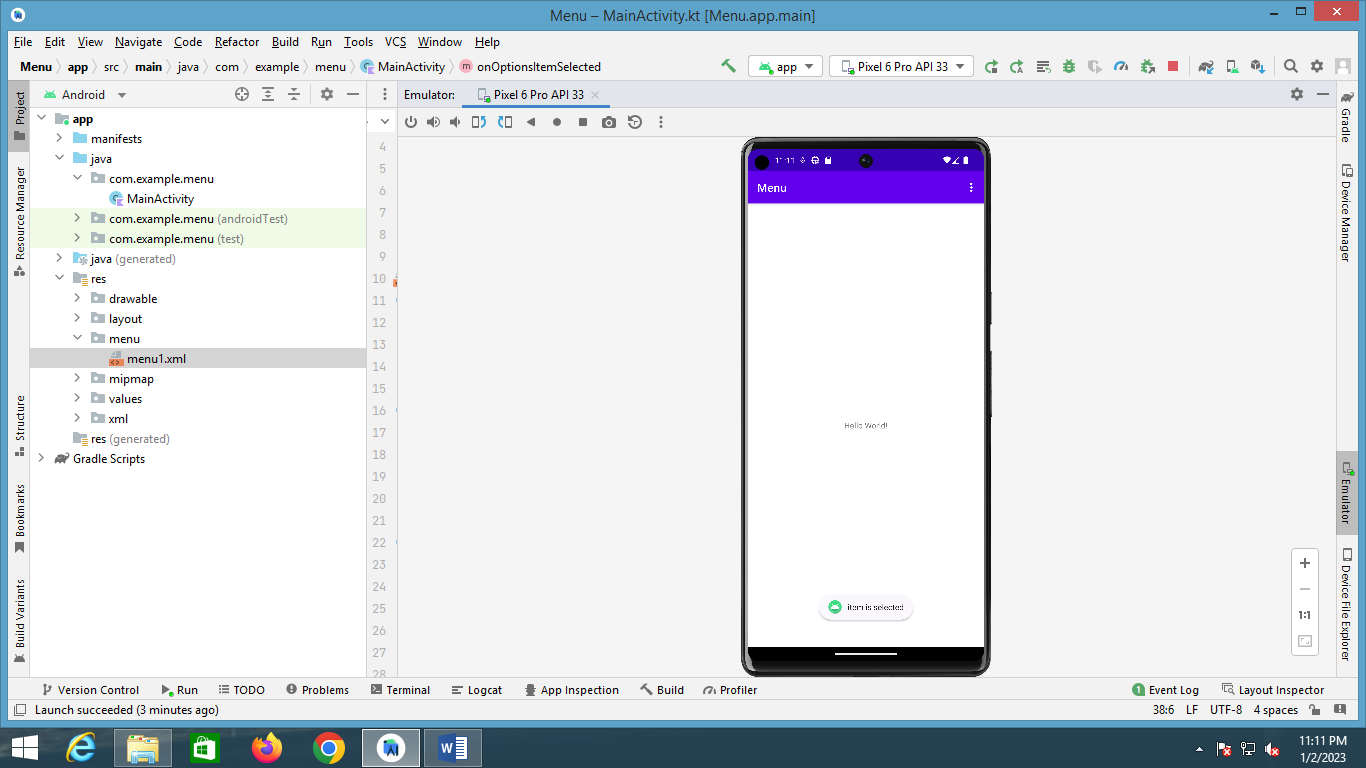
**Menu1.xml Code:–**

*<?*xml version="1.0" encoding="utf-8"*?>*<menu xmlns:android="http://schemas.android.com/apk/res/android">  
 <item android:id="@+id/H1" android:title="item1" >  
 </item>  
  
 <item android:id="@+id/H2" android:title="item2" >  
 </item>  
  
 <item android:id="@+id/H3" android:title="item3" >  
 </item>  
  
</menu>

**MainActivity.kt:-**

package com.example.menu  
  
import androidx.appcompat.app.AppCompatActivity  
import android.os.Bundle  
import android.view.Menu  
import android.view.MenuItem  
import android.widget.Toast  
  
  
class MainActivity : AppCompatActivity() {  
 override fun onCreate(savedInstanceState: Bundle?) {  
 super.onCreate(savedInstanceState)  
 setContentView(R.layout.*activity\_main*)  
 }  
  
 override fun onCreateOptionsMenu(menu: Menu?): Boolean {  
 *menuInflater*.inflate(R.menu.*menu1*, menu)  
 return true  
  
 }  
  
 override fun onOptionsItemSelected(item: MenuItem): Boolean {  
 when (item.*itemId*) {  
 R.id.*H1* -> {  
 Toast.makeText(this, "item is selected", Toast.*LENGTH\_SHORT*).show()  
 return true  
 }  
 R.id.*H2* -> {  
 Toast.makeText(this, "item is selected", Toast.*LENGTH\_SHORT*).show()  
 return true  
 }  
 R.id.*H3* -> {  
 Toast.makeText(this, "item is selected", Toast.*LENGTH\_SHORT*).show()  
 return true  
 }  
 else -> return super.onOptionsItemSelected(item)  
 }  
 }  
}

**Output:-**

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