**Context menu:**

In Android, a context menu provides a set of options or actions for a specific view element, such as a button, list item, or text view. It appears when the user performs a long press (tap-and-hold) on the view, offering additional, contextual options similar to a right-click menu in desktop applications.

**Step 1:**

Create a new project.

**Step 2:**

Crete a menu resource directory in res if not available.

**Step 3:**

Create a **menu.xml** file in menu directory and add the following code:

*<?*xml version="1.0" encoding="utf-8"*?>*<menu xmlns:android="http://schemas.android.com/apk/res/android">  
 <item  
 android:id="@+id/action\_edit"  
 android:title="Edit" />  
 <item  
 android:id="@+id/action\_delete"  
 android:title="Delete" />  
 <item  
 android:id="@+id/action\_share"  
 android:title="Share" />  
</menu>

**Step 4:**

Add the following code in **Activity\_main.xml** file.

*<?*xml version="1.0" encoding="utf-8"*?>*<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:orientation="vertical"  
 android:gravity="center"  
 android:padding="16dp">  
  
 <TextView  
 android:id="@+id/textView"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Long press here for context menu"  
 android:textSize="18sp"  
 android:padding="16dp"  
 android:background="@android:color/darker\_gray"  
 android:textColor="@android:color/white" />  
  
</LinearLayout>

**Step 5:**

**Activity\_main.kt file:**

package com.example.contextmenu  
  
import android.os.Bundle  
import android.view.ContextMenu  
import android.view.MenuInflater  
import android.view.MenuItem  
import android.widget.TextView  
import android.widget.Toast  
import androidx.appcompat.app.AppCompatActivity  
  
class MainActivity : AppCompatActivity() {  
  
 private lateinit var textView: TextView  
  
 override fun onCreate(savedInstanceState: Bundle?) {  
 super.onCreate(savedInstanceState)  
 setContentView(R.layout.*activity\_main*)  
  
 *// Initialize TextView and register it for context menu* textView = findViewById(R.id.*textView*)  
 registerForContextMenu(textView)  
 }  
  
 *// Create the context menu* override fun onCreateContextMenu(  
 menu: ContextMenu?,  
 v: android.view.View?,  
 menuInfo: ContextMenu.ContextMenuInfo?  
 ) {  
 super.onCreateContextMenu(menu, v, menuInfo)  
 val inflater: MenuInflater = *menuInflater* inflater.inflate(R.menu.*menu*, menu)  
 menu?.setHeaderTitle("Select an action")  
 }  
  
 *// Handle context menu item clicks* override fun onContextItemSelected(item: MenuItem): Boolean {  
 return when (item.*itemId*) {  
 R.id.*action\_edit* -> {  
 Toast.makeText(this, "Edit selected", Toast.*LENGTH\_SHORT*).show()  
 true  
 }  
 R.id.*action\_delete* -> {  
 Toast.makeText(this, "Delete selected", Toast.*LENGTH\_SHORT*).show()  
 true  
 }  
 R.id.*action\_share* -> {  
 Toast.makeText(this, "Share selected", Toast.*LENGTH\_SHORT*).show()  
 true  
 }  
 else -> super.onContextItemSelected(item)  
 }  
 }  
}

**Step 6:** Run the code.