

## Practical – 27 : Write a program to demonstrate use of Context menu

### MainActivity.java

```
package com.example.contextmenu;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;
import android.view.ContextMenu;
import android.view.MenuInflater;
import android.view.MenuItem;
import android.view.View;
import android.widget.ArrayAdapter;
import android.widget.ListView;
import android.widget.Toast;

public class MainActivity extends AppCompatActivity {
    ListView listView;
    String contacts[] = {"Ajay", "Sachin", "Sumit", "Tarun", "Yogesh"};

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        listView = (ListView) findViewById(R.id.listView);
        ArrayAdapter<String> adapter = new ArrayAdapter<String>(this,
        android.R.layout.simple_list_item_1, contacts);
        listView.setAdapter(adapter);
        // Register the ListView for Context menu
        registerForContextMenu(listView);
    }

    @Override
    public void onCreateContextMenu(ContextMenu menu, View v,
    ContextMenu.ContextMenuInfo menuInfo) {
        super.onCreateContextMenu(menu, v, menuInfo);
        MenuInflater inflater = getMenuInflater();
        inflater.inflate(R.menu.main_menu, menu);
        menu.setHeaderTitle("Select The Action");
    }

    @Override
    public boolean onContextItemSelected(MenuItem item) {
        if (item.getItemId() == R.id.call) {
            Toast.makeText(getApplicationContext(), "calling code",
            Toast.LENGTH_LONG).show();
        } else if (item.getItemId() == R.id.sms) {
            Toast.makeText(getApplicationContext(), "sending sms code",
            Toast.LENGTH_LONG).show();
        } else {
            return false;
        }
        return true;
    }
}
```

### 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">

<ListView
    android:layout_width="368dp"
    android:layout_height="495dp"
    android:id="@+id/listView"
    android:layout_marginEnd="8dp"
    android:layout_marginStart="8dp"
    android:layout_marginTop="8dp"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.0"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent" />

</androidx.constraintlayout.widget.ConstraintLayout>

```

**output :**

