**ANDROID LAB**

**Experiment No.: 12**

**Aim**

**Develop an application that uses ArrayAdapter with ListView.**

**Program**

**------------------------------------------------------------------- XML Code -------------------------------------------------------------------**

**<?xml version="1.0" encoding="utf-8"?>**

**<LinearLayout 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:id="@+id/listview"**

**android:layout\_width="match\_parent"**

**android:layout\_height="match\_parent" />**

**</LinearLayout>**

**------------------------------------------------------------------- Java Code -------------------------------------------------------------------**

**package com.example.arrayadapter;**

**import androidx.appcompat.app.AppCompatActivity;**

**import android.os.Bundle;**

**import android.widget.ArrayAdapter;**

**import android.widget.ListView;**

**import android.widget.Toast;**

**public class MainActivity extends AppCompatActivity {**

**@Override**

**protected void onCreate(Bundle savedInstanceState) {**

**super.onCreate(savedInstanceState);**

**setContentView(R.layout.activity\_main);**

**ListView listview;**

**String[] person\_qualify = {"Front-End Developer", "Data Analyst", "Software Tester", "Software Developer", "Programming Analyst", "Web Developer", "Mobile App Developer", "Business Analyst", "Database Analyst"};**

**listview = findViewById(R.id.listview);**

**listview.setAdapter(new ArrayAdapter(getApplicationContext(), android.R.layout.simple\_expandable\_list\_item\_1, person\_qualify));**

**listview.setOnItemClickListener((parent, view, position, id) -> {**

**Toast.makeText(this, "The qualification selected is - " + person\_qualify[position], Toast.LENGTH\_SHORT).show();**

**});**

**}**

**}**