**Assignment-8**

**Aim: Create an Android application to implement the listView for countries along with the string.xml file.**

**.xml file:**

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

<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"

xmlns:tools="http://schemas.android.com/tools"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:orientation="vertical"

android:gravity="center"

tools:context=".spinner">

<TextView

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Select a Country"

android:textSize="20dp"

android:paddingBottom="10dp"/>

<Spinner

android:id="@+id/spinner"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:spinnerMode="dropdown"

android:minHeight="48dp"/>

</LinearLayout>

**.java file:**

package com.example.myapplication;

import android.os.Bundle;

import android.view.View;

import android.widget.AdapterView;

import android.widget.ArrayAdapter;

import android.widget.Spinner;

import android.widget.Toast;

import androidx.appcompat.app.AppCompatActivity;

import com.example.myapplication.R;

public class spinner extends AppCompatActivity implements AdapterView.OnItemSelectedListener {

String[] country = { "India", "USA", "China", "Japan", "Other" };

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_spinner);

// Getting the instance of Spinner and applying OnItemSelectedListener on it

Spinner spin = (Spinner) findViewById(R.id.spinner);

spin.setOnItemSelectedListener(this);

// Creating the ArrayAdapter instance having the country list

ArrayAdapter<String> aa = new ArrayAdapter<>(this, android.R.layout.simple\_spinner\_item, country);

aa.setDropDownViewResource(android.R.layout.simple\_spinner\_dropdown\_item);

// Setting the ArrayAdapter data on the Spinner

spin.setAdapter(aa);

}

@Override

public void onItemSelected(AdapterView<?> arg0, View arg1, int position, long id) {

// Displaying a Toast message on item selection

Toast.makeText(getApplicationContext(), country[position], Toast.LENGTH\_LONG).show();

}

@Override

public void onNothingSelected(AdapterView<?> arg0) {

// Optional: Define behavior if nothing is selected

}

}

**OUTPUT:**

