**ANDROID LAB**

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**Roll No:55**

**Batch:RMCA-B**

**Date:**

**Experiment No.9:**

**Aim:**

Program to implement Adapter

**Program :**

**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="match\_parent"

android:layout\_height="match\_parent"

android:id="@+id/list"

/>

</androidx.constraintlayout.widget.ConstraintLayout>

**Main Activity**

package com.example.adapter;

import androidx.appcompat.app.AppCompatActivity;

import androidx.recyclerview.widget.RecyclerView;

import android.os.Bundle;

import android.view.View;

import android.widget.Adapter;

import android.widget.AdapterView;

import android.widget.ArrayAdapter;

import android.widget.ListView;

import android.widget.Toast;

public class MainActivity extends AppCompatActivity {

ListView list;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

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

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

String Countries[]= new String[] {"Thailand","America","india"};

ArrayAdapter<String> myAdapter =new ArrayAdapter<String>(MainActivity.this,

android.R.layout.*simple\_expandable\_list\_item\_1*,Countries);

list.setAdapter(myAdapter);

list.setOnItemClickListener(new AdapterView.OnItemClickListener() {

@Override

public void onItemClick(AdapterView<?> parent, View view, int position, long id) {

Toast.*makeText*(getApplicationContext(),"You clicked"+Countries[position],Toast.*LENGTH\_SHORT*).show();

}

});

}

}

**OUTPUT :**

