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**Roll No: 6**

**Batch: B**

**Date: 01/11/2022**

ANDROID LAB

**Experiment No.: 10**

**Aim**

Android AdapterS.

**Procedure**

**MainActivity.xml**

<?xml version="1.0" encoding="utf-8"?>  
<android.widget.RelativeLayout 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/list"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 tools:layout\_editor\_absoluteX="8dp"  
 tools:layout\_editor\_absoluteY="8dp">  
 </ListView>  
  
</android.widget.RelativeLayout>

**MainActivity.Java**

package com.example.lidt;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
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 {  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
 ListView myListView=findViewById(R.id.*list*);  
 String items[]=new String[] {"India","China","Canada"};  
 ArrayAdapter<String> myAdapter=new ArrayAdapter<String>(MainActivity.this,android.R.layout.*simple\_list\_item\_1*,items);  
 myListView.setAdapter(myAdapter);  
 myListView.setOnItemClickListener(new AdapterView.OnItemClickListener() {  
 @Override  
 public void onItemClick(AdapterView<?> parent, View view, int position, long id) {  
 Toast.*makeText*(getApplicationContext(),"You clicked"+items[position],Toast.*LENGTH\_SHORT*).show();  
 }  
 });  
 }  
}

**Output**

