**12)Create students record with 4 members rollno, name, age, sex. Use volley library to retrieve the records from the network. [Use JsonArrayRequest]**

**MainActivity.java**

package com.example.volleylibrary;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;

import android.view.View;

import android.widget.Button;

import android.widget.TextView;

import android.widget.Toast;

import com.android.volley.Request;

import com.android.volley.RequestQueue;

import com.android.volley.Response;

import com.android.volley.VolleyError;

import com.android.volley.toolbox.JsonArrayRequest;

import com.android.volley.toolbox.Volley;

import org.json.JSONArray;

import org.json.JSONObject;

import java.io.IOException;

public class MainActivity extends AppCompatActivity {

TextView tv;

Button btn;

final String url = "https://mocki.io/v1/33e31427-ff3e-41ee-bac4-fd3cdf927676";

RequestQueue requestQueue;

JsonArrayRequest jsonArrayRequest;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

tv = findViewById(R.id.tv);

btn = findViewById(R.id.btn);

btn.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View view) {

try {

FetchData();

}

catch (Exception e){

e.printStackTrace();

}

}

});

}

private void FetchData() throws Exception {

requestQueue = Volley.newRequestQueue(this);

jsonArrayRequest = new JsonArrayRequest(Request.Method.GET, url, null, new Response.Listener<JSONArray>() {

@Override

public void onResponse(JSONArray response) {

String data = "";

System.out.println(response);

try{

for(int i = 0; i < response.length(); i++){

JSONObject object = response.getJSONObject(i);

int rollno = Integer.parseInt(object.getString("rollno"));

String name = object.getString("name");

int age = Integer.parseInt(object.getString("age"));

String sex = object.getString("sex");

data += "Roll NO: " + rollno + "\n" + "Name: " + name + "\n" + "Age: " + age + "\n" + "Sex: " + sex + "\n\n";

}

}

catch (Exception e){

e.printStackTrace();

}

tv.setText(data);

}

}, new Response.ErrorListener() {

@Override

public void onErrorResponse(VolleyError error) {

System.out.println(error.toString());

}

});

requestQueue.add(jsonArrayRequest);

}

}

**Output:**

