okHTTP

MainActivity.java

package com.example.okhttp;

import androidx.annotation.NonNull;

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 org.json.JSONArray;

import org.json.JSONObject;

import java.io.IOException;

import okhttp3.Call;

import okhttp3.Callback;

import okhttp3.OkHttpClient;

import okhttp3.Request;

import okhttp3.Response;

public class MainActivity extends AppCompatActivity {

TextView tv;

Button btn;

private String url = "https://mocki.io/v1/f31c9d26-900e-4094-aa6f-834dbd35ca72";

@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 v) {

try {

Okeg();

}

catch (IOException e){

e.printStackTrace();

}

}

});

}

private void Okeg() throws IOException {

OkHttpClient client = new OkHttpClient();

Request req = new Request.Builder().url(url).build();

client.newCall(req).enqueue(new Callback() {

@Override

public void onFailure(@NonNull Call call, @NonNull IOException e) {

call.cancel();

Toast.makeText(getApplicationContext(), "Cannot fetch data...", Toast.LENGTH\_LONG).show();

}

@Override

public void onResponse(@NonNull Call call, @NonNull Response response) throws IOException {

final String res = response.body().string();

String data = "";

try{

JSONObject json = new JSONObject(res);

JSONArray array = json.optJSONArray("students");

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

JSONObject object = array.getJSONObject(i);

int id = Integer.parseInt(object.getString("Roll"));

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

data += "Roll No: " + id + "Name: " + name + "\n";

}

}

catch (Exception e){

e.printStackTrace();

}

tv.setText(data);

}

});

}

}

Output:

