**14.Create employee record with 4 members Empid, Name, DeptID, Salary.**

**Use retrofit library to retrieve the records from the network and display the records in list view.**

**MainActivity.java:**

package com.example.myapplication;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;

import android.view.View;

import android.widget.ArrayAdapter;

import android.widget.Button;

import android.widget.ListView;

import android.widget.Toast;

import java.util.List;

import retrofit2.Call;

import retrofit2.Callback;

import retrofit2.Response;

import retrofit2.Retrofit;

import retrofit2.converter.gson.GsonConverterFactory;

public class MainActivity extends AppCompatActivity {

ListView lv;

Button btnshow;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

lv = findViewById(R.id.lv);

btnshow = findViewById(R.id.btnshow);

btnshow.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View view) {

Retrofit retrofit = new Retrofit.Builder()

.baseUrl(studapi.base\_url)

.addConverterFactory(GsonConverterFactory.create())

.build();

studapi api = retrofit.create(studapi.class);

Call<List<student>> call = api.getStudent();

call.enqueue(new Callback<List<student>>() {

@Override

public void onResponse(Call<List<student>> call, Response<List<student>> response) {

List <student> stud = response.body();

/\* for(student s:stud) {

String str = s.getName()+s.getRollno();

Toast.makeText(getApplicationContext(),str, Toast.LENGTH\_LONG).show();

}

\*/

String[] data = new String[stud.size()];

for (int i=0;i<stud.size();i++){

data[i]= "empid:" + stud.get(i).getEmpid() + "\n"

+"Name:" +stud.get(i).getName() + "\n"

+ "deptid:" + stud.get(i).getDept() + "\n"

+"salary:" + stud.get(i).getSalary() + "\n"

;

}

lv.setAdapter(new ArrayAdapter<String>(getApplicationContext(),

android.R.layout.simple\_list\_item\_1,

data));

}

@Override

public void onFailure(Call<List<student>> call, Throwable t) {

Toast.makeText(getApplicationContext(),t.getMessage(), Toast.LENGTH\_LONG).show();

}

});

}

});

}

}

**Studapi.java:**

package com.example.myapplication;

import retrofit2.http.GET;

import retrofit2.Call;

import java.util.List;

public interface studapi {

//https://mocki.io/v1/5c531b67-109b-44b8-a66a-3e1345e00346

String base\_url = "https://mocki.io/v1/";

@GET("5c531b67-109b-44b8-a66a-3e1345e00346")

Call<List<student>> getStudent();

}

**Student.java:**

package com.example.myapplication;

import com.google.gson.annotations.SerializedName;

public class student {

@SerializedName("empid")

private Integer empid;

@SerializedName("name")

private String name;

@SerializedName("dept")

private String dept;

@SerializedName("salary")

private String salary;

public student(Integer empid, String name, String dept, String salary) {

this.empid = empid;

this.name = name;

this.dept = dept;

this.salary = salary;

}

public Integer getEmpid() {

return empid;

}

public String getDept() {

return dept;

}

public String getSalary() {

return salary;

}

public String getName() {

return name;

}

}

**Output:**

