**RetroFit**

**MainActivity.java**

package com.example.retrofit2;

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 listView;

Button btn;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

listView = findViewById(R.id.listView);

btn = findViewById(R.id.btn);

btn.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View view) {

Retrofit retrofit = new Retrofit.Builder()

.baseUrl(EmployeeAPI.base\_url)

.addConverterFactory(GsonConverterFactory.create())

.build();

EmployeeAPI employeeAPI = retrofit.create(EmployeeAPI.class);

Call<List<Employee>> call = employeeAPI.getEmployee();

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

@Override

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

String[] data = new String[response.body().size()];

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

data[i] = "Employee ID: " + response.body().get(i).getEmpID() + "\n"

+ "Employee Name: " + response.body().get(i).getName() + "\n"

+ "Employee Department: " + response.body().get(i).getDept() + "\n"

+ "Employee Salary: " + response.body().get(i).getSalary();

}

listView.setAdapter(new ArrayAdapter<String>(getApplicationContext(), android.R.layout.simple\_list\_item\_1, data));

}

@Override

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

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

}

});

}

});

}

}

**Employee.java**

package com.example.retrofit2;

import com.google.gson.annotations.SerializedName;

public class Employee {

@SerializedName("EmpID")

private Integer empID;

@SerializedName("Name")

private String name;

@SerializedName("Salary")

private Integer salary;

@SerializedName("Dept")

private String dept;

public Employee(Integer empID, String name, Integer salary, String dept) {

this.empID = empID;

this.name = name;

this.salary = salary;

this.dept = dept;

}

public Integer getEmpID() {

return empID;

}

public String getName() {

return name;

}

public Integer getSalary() {

return salary;

}

public String getDept() {

return dept;

}

}

**EmployeeAPI.java**

package com.example.retrofit2;

import java.util.List;

import retrofit2.Call;

import retrofit2.http.GET;

public interface EmployeeAPI {

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

@GET("3e3ccaa7-6ab4-4dbe-a447-b10c98121542")

Call<List<Employee>> getEmployee();

}