TUGAS PRATIKUM MOBILE 5

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1. Manifests

```xml
<?xml version="1.0" encoding="utf-8"?>
<manifest xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools">
    <uses-permission android:name="android.permission.INTERNET" />

    <application
        android:allowBackup="true"
        android:dataExtractionRules="@xml/data_extraction_rules"
        android:fullBackupContent="@xml/backup_rules"
        android:icon="@mipmap/ic_launcher"
        android:label="@string/app_name"
        android:roundIcon="@mipmap/ic_launcher_round"
        android:supportsRtl="true"
        android:usesCleartextTraffic="true"
        tools:targetApi="31">
        <activity
            android:name=".MainActivity"
            android:exported="true">
            <intent-filter>
                <action android:name="android.intent.action.MAIN" />

                <category
android:name="android.intent.category.LAUNCHER" />
            </intent-filter>
        </activity>
    </application>

</manifest>
```

2. mainActivity

```java
package com.example.connecttojson;

import android.os.Bundle;
import android.util.Log;
import android.widget.TextView;

import androidx.appcompat.app.AppCompatActivity;
import androidx.core.graphics.Insets;
import androidx.core.view.ViewCompat;
import androidx.core.view.WindowInsetsCompat;

import com.android.volley.Request;

import com.android.volley.toolbox.JsonObjectRequest;



public class MainActivity extends AppCompatActivity {

    private static final String TAG = "MainActivity";
    private static final String url =
"http://192.168.1.7/costumer.php";
    private TextView textView;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
```

```java
        setContentView(R.layout.activity_main);

        textView = findViewById(R.id.textView);

        // Check if the root view exists in layout XML

ViewCompat.setOnApplyWindowInsetsListener(findViewById(R.id.main),
(v, insets) -> {
            Insets systemBars =
insets.getInsets(WindowInsetsCompat.Type.systemBars());
            v.setPadding(systemBars.left, systemBars.top,
systemBars.right, systemBars.bottom);
            return insets;
        });

        Log.d(TAG, "Requesting data from URL: " + url);

        JsonObjectRequest jsonObjectRequest = new JsonObjectRequest(
                Request.Method.GET,
                url,
                null,
                response -> {
                    Log.d(TAG, "Response received: " +
response.toString());
                    textView.setText("Response: " +
response.toString());
                },
                error -> {
                    Log.e(TAG, "Error: " + error.toString());
                    textView.setText("Error: " + error.toString());
                }
        );

        // Adding request to request queue

MySingleton.getInstance(this).addToRequestQueue(jsonObjectRequest);
    }
}
```

3. MySingeleton

```java
4.  package com.example.connecttojson;

    import android.content.Context;

    import com.android.volley.Request;
    import com.android.volley.RequestQueue;
    import com.android.volley.toolbox.Volley;

    public class MySingleton {
        private static MySingleton instance;
        private RequestQueue requestQueue;
        private static Context ctx;

        private MySingleton(Context context) {
            ctx = context;
            requestQueue = getRequestQueue();
        }

        public static synchronized MySingleton getInstance(Context
```

```
context) {
        if (instance == null) {
            instance = new
MySingleton(context.getApplicationContext());
        }
        return instance;
    }

    public RequestQueue getRequestQueue() {
        if (requestQueue == null) {
            requestQueue =
Volley.newRequestQueue(ctx.getApplicationContext());
        }
        return requestQueue;
    }

    public <T> void addToRequestQueue(Request<T> req) {
        getRequestQueue().add(req);
    }
}
```

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Item 0
Item 1
Item 2
Item 3
Item 4
Item 5
Item 6
Item 7
Item 8
Item 9

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