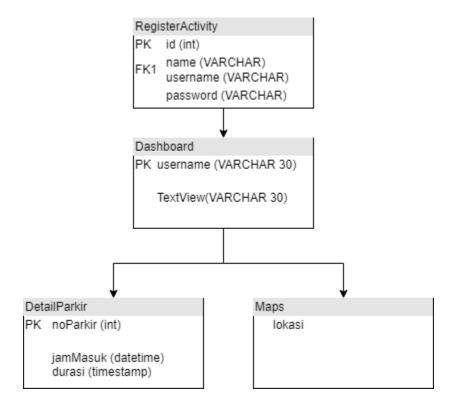
Jurnal MODUL 7

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Class Diagram



1.

a. Pillih bahasa pemrograman OO untuk implementasi program TUBES. Jelaskan alasan pemilihan Anda.

Bahasa yang digunakan adalah Java pada Android Studio, karena Java bersifat object oriented.

b. Download compiler bahasa pemrograman tsb, dan install.

Compiler bahasa pemrograman menggunakan Android Studio

2. Implementasikan setidaknya tiga class dari Class Diagram yang ada di DPPL Anda dengan bahasa

pemrograman yang telah Anda install:

a. Class paling sederhana (paling sedikit atribut & methodnya)

Class Dashboard

```
pelchotumentedTestjava × ② ExampleUnitTestjava × ③ DaniboandActivityjava × ③ Mapsjava × 3 supportmapfragment.ml × ③ MainActivity × 3 supportmapfragment.ml × ③ MainActivity × 3 supportmapfragment.ml × ③ MainActivity × 3 support android.content.Intent; import android.widget.Button; import android.widget.TextView; import andro
```

b. Class yang sedang (jumlah atribut & methodnya "rata-rata")

Class Register

```
pleinstrumentedTestjava × ⑤ ExampleUnitTestjava × ⑥ DashboardActivityjava × ⑥ Mapsjava × ‰ supportmapfragmentxml × ⑥ MainActivity

package com.example.shashank.login;

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import android.content.Context;

import android.content.Intent;

import android.database.Cursor;

import android.database.sqlite.sQLiteDatabase;

import android.support.v7.app.AppCompatActivity;

import android.view.View;

import android.widget.EditText;

import android.widget.EditText;

import android.widget.Toast;

EditText username, Password, Name ;

Button Register;

String NameHolder, usernameHolder, PasswordHolder;

Boolean EditTextEmptyHolder;

SQLiteDatabase sqLiteDatabaseObj;

String SQLiteOatabase sqLiteDatabaseObj;

String SQLiteHelper sqLiteHelper;

Cursor cursor;

String F_Result = "Not_Found";
```

```
@Override
protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_register);

    Register = (Button)findViewById(R.id.buttonRegister);

    username = (EditText)findViewById(R.id.editEmail);
    Password = (EditText)findViewById(R.id.editName);

    Name = (EditText)findViewById(R.id.editName);

    sqliteHelper = new SqliteHelper(context this);

    Register.setOnClickListener((view) > {
        SQliteDataBaseBuild();
        SqliteDataBaseBuild();
        SqliteDataBaseBuild();
        CheckEditTextStatus();
        CheckEditTextStatus();
        CheckEditTextAfterDataInsert();

    });
```

```
public void SQLiteDataBaseBuild(){
    sqLiteDataBaseDbj = openOrCreateDataBase(SQLiteHelper.DATABASE_NAME, Context.HODE_PRIVATE,
    public void SQLiteTableBuild() {
        sqLiteDataBaseObj.execSQL("OREATE TABLE IF NOT EXISTS" + SQLiteHelper.TABLE_NAME + "(" + SQLiteHelper.Table_Colv
    }

public void InsertDataIntoSQLiteDataBase(){
    if(EditTextEmptyHolder == true)
    {
        SQLiteDataBaseQueryHolder == "INSERT INTO" "+SQLiteHelper.TABLE_NAME+" (name, username, password) VALUES("**NameNelseColv);
        sqLiteDataBaseQueryHolder);
        sqLiteDataBaseQueryHolder);
        sqLiteDataBaseQueryHolder == "INSERT INTO" "+SQLiteHelper.TABLE_NAME+" (name, username, password) VALUES("**NameNelseColveryHolder);
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        sqLiteDataBaseQueryHolder == "INSERT INTO" "+SQLiteHelper.TABLE_NAME+" (name, username, password) VALUES("**NameNelseColveryHolder);
        sqLiteDataBaseQueryHolder == "INSERT INTO" "+SQLiteHelper.TabLe_NAME+" (name, username, password) VALUES("**NameNelseColveryHolder);
        sqLiteDataBaseQueryHolder, username, userna
```

c. Class yang paling kompleks (paling banyak atribut & methodnya, atau mengandung kode untuk pengaksesan API soal Tugas Pendahuluan, atau yang mengandung aspek "kecerdasan buatan" (jika ada))

Class Maps, karena memerlukan API dari Google

```
package com.example.shashank.login;

Dimport android.os.Bundle;
import android.sapp.AppCompatActivity;
import com.google.android.gms.maps.CameralpdateFactory;
import com.google.android.gms.maps.GoogleMap;
import com.google.android.gms.maps.SupportMapFragment;
import com.google.android.gms.maps.wodel.tatlng;
import com.google.android.gms.maps.model.MarkerOptions;

public class MapsActivity extends AppCompatActivity implements OnMapReadyCallback {

private GoogleMap mMap;

@Override
protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);
setContentView(R.layout.activity_maps);
// Obtain the SupportMapFragment and get notified when the map is ready to be used.
SupportMapFragment mapFragment = (SupportMapFragment) getSupportFragmentManager()
.findFragmentById(R.id.map);
mapFragment.getMapAsync(this);
```