Project 2: Student Grades

This project keeps track of students and their grades.

Step 1: Create Tables

1. Students Table – Stores student names and their grades in a single subject

```sql
CREATE TABLE Students (
    student_id INT PRIMARY KEY,
    name VARCHAR(50),
    grade INT
);
```

Step 2: Insert Sample Data

```sql
INSERT INTO Students (student_id,
name, grade) VALUES
(1, 'Alice', 85),
(2, 'Bob', 92),
(3, 'Charlie', 78),
(4, 'Daisy', 88);
```

Step 3: Simple Queries

1. List all students and their grades

```sql
SELECT * FROM Students;
```

Output-

student_id	name	grade
1	Alice	85
2	Bob	92
3	Charlie	78
4	Daisy	88

2. Find students with grades above 80

```sql
SELECT name, grade FROM Students
WHERE grade > 80;
```

Output-

name	grade
Alice	85
Bob	92
Daisy	88

3. Calculate the average grade of the class

```sql
SELECT AVG(grade) AS
AverageGrade FROM Students;
```

Output-

AverageGrade
85.75