

## Practise set 1

```
CREATE TABLE students (
    StudentID INT PRIMARY KEY,
    FirstName VARCHAR (50) NOTNULL,
    LastName VARCHAR (50) NOTNULL,
    Age INT CHECK (Age ≥ 16),
    EnrollmentDate DATE DEFAULT CURRENT-DATE,
    Major VARCHAR (100)
);
```

### INSERT

```
INSERT INTO students (StudentID, FirstName,
    LastName, Age, EnrollmentDate, maMajor)
```

### VALUES

```
(1, "Alice", "Johnson", 18, "2023-09-01", "Computer science"),
(2, "Bob", "Smith", 20, "2022-06-15", "Mathematics"),
(3, "charlie", "Brown", 19, "2021-08-20", "Physics"),
(4, "Daisy", "carter", 21, '2023-01-10', 'Biology'),
(5, 'Ethan', 'Taylor', 22, '2023-03-25', 'chemistry');
```

### Update

1. UPDATE students  
SET Major = 'Data science'  
WHERE StudentID = 1;

2. UPDATE Students  
SET ~~Major~~<sup>Age</sup> = Age + 1  
where ~~before age~~  
EnrollmentDate < '2023-01-01'



3. UPDATE students  
SET LastName = 'cooper'  
where FirstName = 'Daisy';

4. UPDATE students  
SET Major = 'Undeclared'  
where Age < 20;

5. UPDATE students  
SET EnrollmentDate = '2024-01-01'  
where StudentID = 5;

6. UPDATE students  
SET Major = 'Physics'  
where major = 'Biology';

7. UPDATE students  
SET Age = '23'  
where FirstName = 'charlie';

8. UPDATE students  
~~SET LastName = 'Mathematics'~~  
where LastName = 'Williams';

9. UPDATE students  
SET FirstName = 'Alex'  
WHERE <sup>limit 1;</sup> Age = (SELECT MIN  
(Age) FROM student);

8. UPDATE students  
SET LastName = 'Williams'  
where major = 'Mathematics';

10. UPDATE students  
SET <sup>major = 'Undeclared'</sup> Age = NULL  
WHERE Age = 'NULL'  
LIMIT 5;

## DELETE

1. DELETE FROM students  
WHERE StudentID = 3;

2. DELETE FROM students  
WHERE Major = 'Undeclared';



before = less than (<)  
after = greater than (>)

Date \_\_\_\_\_  
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3. DELETE FROM Students  
WHERE Enrolled > '2023-01-01';
4. DELETE FROM Students  
WHERE Students < '21';
5. 6. DELETE FROM Students  
WHERE Age IS NULL;  
Remove all students with LastName starting with the letter 'C'!
7. DELETE FROM Students  
WHERE LastName LIKE 'CY.';
8. DELETE FROM Students  
WHERE EnrollmentDate < '2022-01-01';
9. DELETE FROM Students  
WHERE Major = 'Physics';
10. DELETE FROM Students;
11. ~~DELETE FROM Students~~