

Practice SET -1

①. Schema

```
CREATE TABLE Students (  
    StudentID INT PRIMARY KEY AUTO-INCREMEN  
    firstName VARCHAR(50) NOT NULL,  
    LastName VARCHAR(50) NOT NULL,  
    Age INT CHECK (Age >= 16),  
    EnrollmentDate DATE DEFAULT (CURRENT_DATE),  
    Major VARCHAR(100)  
);
```

②. INSERT INTO Students (StudentId, firstName, LastName, Age, EnrollmentDate, Major) VALUES

(1, 'Alice', 'Solomonson', 18, '2023-09-01', 'Computer Science'),

(2, 'Bob', 'Smith', 20, '2022-06-15', 'Mathematics'),

(3, 'Charlie', 'Brown', 19, '2024-08-20', 'Physics'),

(4, 'Daisy', 'Carter', 21, '2023-01-10', 'Biology');

② Update

①. Update Students

```
SET Major = 'Data science'  
WHERE StudentID = 1;
```

②. Update Students

```
SET age = age + 1
```

```
WHERE 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';
```

UPDATE Students

SET Age = 23

WHERE first Name = 'Charlie';

⑧.

UPDATE Students

SET LastName = 'Williams'

WHERE Major = 'Mathematics';

⑨.

UPDATE Students

SET FirstName = 'Alex'

~~WHERE~~ WHERE Age = (SELECT MAX(Age) FROM Students)

⑩.

UPDATE Students

SET Age = NULL

WHERE Major = 'Undeclared';

Question 4

①.

DELETE FROM student

WHERE studentID = 3;

②. ~~DELETE~~ ~~SELECT~~ FROM Students
WHERE Major = 'Undeclared';

③. DELETE FROM Students
WHERE EnrollmentDate > '2023-01-01';

④. DELETE FROM Students
WHERE age > 21;

⑤. DELETE FROM Students
WHERE firstName = 'Gthan' AND
lastName = 'Taylor';

⑥. DELETE FROM Students
WHERE age = NULL;

⑦. DELETE FROM Students
WHERE LastName LIKE 'C%';

⑧. DELETE FROM Students
WHERE EnrollmentDate > '2022-01-01';

⑨. DELETE FROM Students
WHERE Major = 'Physics';

10. DELETE FROM Students;