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10. Primary & Foreign KEY

PRIMARY KEY

UNIQUE

```
▼ ■ ▼ M | ■ ▼ ■ sparta_demo ▼ M | m ▼ N | m ▼
                  1 DROP TABLE IF EXISTS courses;
       Video Player
                                                                                          BLE courses (
                                                            course_id INT PRIMARY KEY,
                                                             course_name VARCHAR(20) UNIQUE
                        5
                                    );
                       6
                       7
                       8 INSERT INTO courses
                      9 (course_id, course_name)
                 10 VALUES
                  11 (1, 'C# Development'),
                 12 (2, 'Java Development'),
                 13 (3, 'Data Engineering'),
                  14 (4, 'Data Engineering');
20% ▼ ②1 10 ← →
 ## Results | Mmssage | Mms
```

'Data Engineering' repeats

• KEY IDENTITY(Starting, Increment)

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Start at 1000, and adds 10 each time. You don't need to specify the Unique ID.

FOREIGN KEY

```
- 🔠 🛗 - 🥫 📧
        12 ('Java Development'),
SLOBAL\
        13 ('Data Engineering');
        15 DROP TABLE IF EXISTS students;
        16 CREATE TABLE students (
               student_id INT PRIMARY KEY IDENTITY(1,1),
        17
               student_name VARCHAR(20),
        18
               course_id INT FOREIGN KEY REFERENCES courses (course_id)
        19
        20 );
                                 I
        21
        22
```

UPDATING TABLES

- ALTER TABLE
- ALTER COLUMN DATATYPE

UPDATE

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DELETE

```
23
24 DELETE FROM ice_cream
25 WHERE flavour = 'Raspberry Ripple'
26 -- WHERE id = 3
```