SQLQuery3.sql - O...ademy\bbuser (58))* ⊟ ✕   SQLQuery2.sql - not connected

```
create database project
use project

CREATE TABLE Trainee (
    trainee_id INT PRIMARY KEY,
    name VARCHAR(100),
    gender VARCHAR(10),
    email VARCHAR(100),
    background VARCHAR(100)
);

CREATE TABLE Trainer (
    trainer_id INT PRIMARY KEY,
    name VARCHAR(100),
    specialty VARCHAR(100),
    phone VARCHAR(20),
    email VARCHAR(100)
);

CREATE TABLE Course (
    course_id INT PRIMARY KEY,
    title VARCHAR(100),
    category VARCHAR(100),
    duration_hours INT,
    level VARCHAR(50)
);

CREATE TABLE Schedule (
```

64 % ▼ ◀

📊 Messages

```
Msg 2714, Level 16, State 6, Line 5
There is already an object named 'Trainee' in the database.

Completion time: 2025-06-29T11:49:56.2502038+04:00
```

I didn't notice that I was working in the master database and after
executing, the error appeared to me. Then I changed from the
master database to the project database.

```sql
-- 6. Identify the course with the highest number of enrollments
SELECT c.title, COUNT(*) AS enrollment_count
FROM Enrollment e
JOIN Course c ON e.course_id = c.course_id
GROUP BY c.title
ORDER BY enrollment_count DESC
LIMIT 1;

-- 7. Display all schedules sorted by start date
SELECT *
FROM Schedule
ORDER BY start_date ASC;
```

64 %

Messages

Msg 102, Level 15, State 1, Line 233
Incorrect syntax near 'LIMIT'.

Completion time: 2025-06-29T16:59:01.6219421+04:00

I was trying to find a query that helps me restrict the number of results in my query and I used the LIMIT clause, which caused an error because it is not valid in SQL Server. I learned that LIMIT is used in MySQL to control the number of rows returned, but SQL Server uses a different syntax. The correct way in SQL Server is to use TOP within the SELECT statement. After understanding that, I replaced LIMIT with TOP, and the query worked correctly.

```
-- 2. Show upcoming sessions (future sessions for trainer)

SELECT start_date, end_date, time_slot
FROM Schedule
WHERE trainer_id = 1 AND start_date > CURRENT_DATE;
```

54 %

Messages

Msg 156, Level 15, State 1, Line 164
Incorrect syntax near the keyword 'CURRENT_DATE'.

Completion time: 2025-06-29T13:11:51.0033930+04:00

The issue I faced was due to using CURRENT_DATE in my SQL query, which isn't supported in SQL Server. I found out that CURRENT_DATE works in databases like MySQL or PostgreSQL, but SQL Server uses GETDATE() or CAST(GETDATE() AS DATE) instead to get the current date. Once I understood this difference in syntax between database systems, I corrected the query using the appropriate SQL Server function.