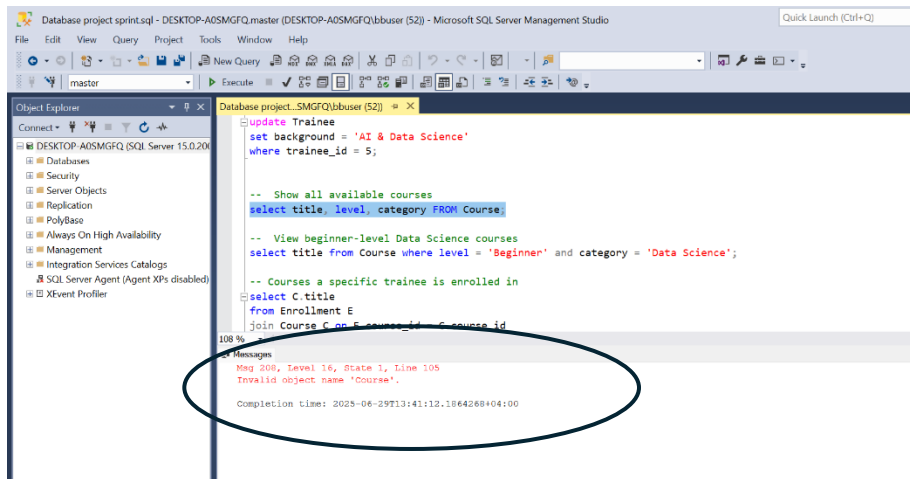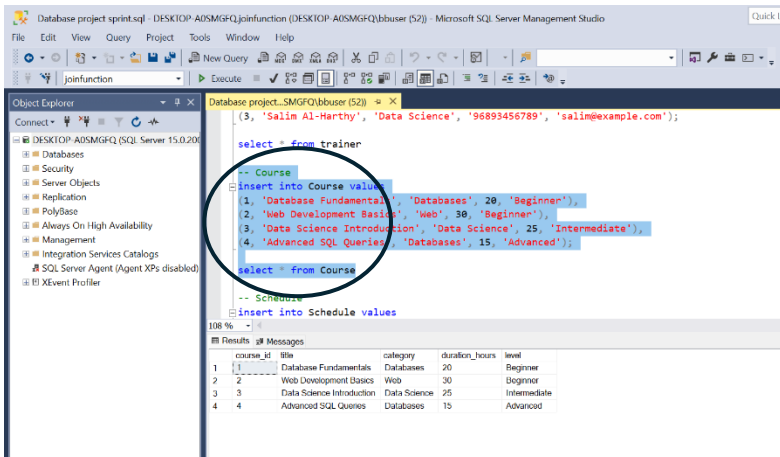Done by Fatema Salim Almukhaini

Log file error that appear to me and how to solve it ::
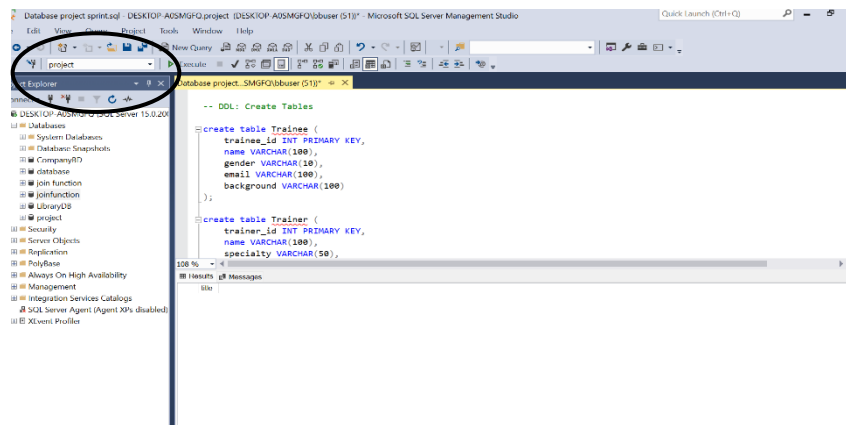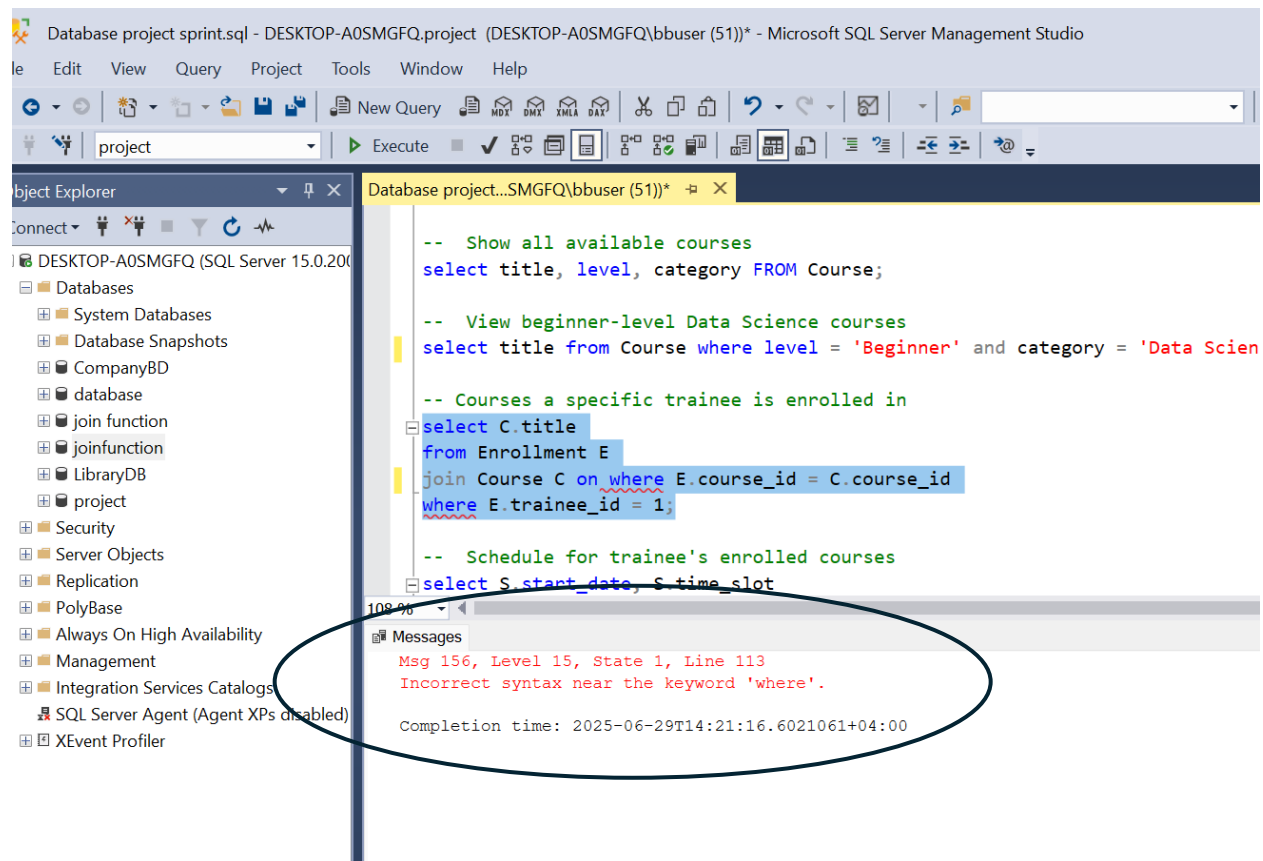
This error shown when I run the select title ....

How to solve :

i run the insert command then still error then I change database from joinfuncion file to project which my database there **use project;**

Another error appear in courses a specific trainee is enrolled :

How to solve :

I try to solve it and I noted that where is wrong to write it again no need only it need when to specific constrain not for join ....


```
-- Show all available courses
select title, level, category FROM Course;

-- View beginner-level Data Science courses
select title from Course where level = 'Beginner' and category = 'Data

-- Courses a specific trainee is enrolled in
select C.title
from Enrollment E
join Course C on E.course_id = C.course_id
where E.trainee_id = 1;

-- Schedule for trainee's enrolled courses
select S.start_date, S.time_slot
```
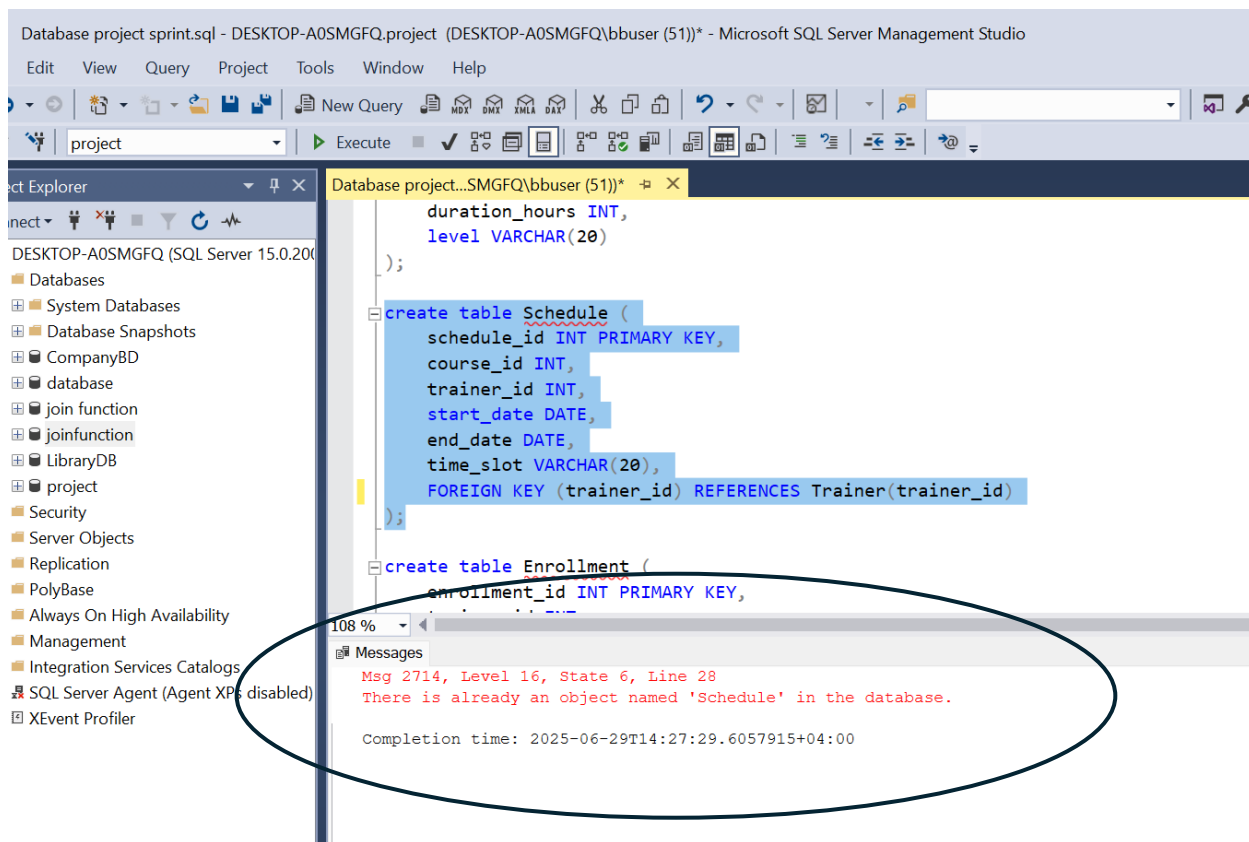
Another error appear in create table Schedule:

How to solve it :

I recognize that I have to mention the foreign key of course_ id that already exists in course table

```
            duration_hours INT,
            level VARCHAR(20)
    );

    create table Schedule (
        schedule_id INT PRIMARY KEY,
        course_id INT,
        trainer_id INT,
        start_date DATE,
        end_date DATE,
        time_slot VARCHAR(20),
        FOREIGN KEY (course_id) REFERENCES Course(course_id),
        FOREIGN KEY (trainer_id) REFERENCES Trainer(trainer_id)
    );

    create table Enrollment (
```
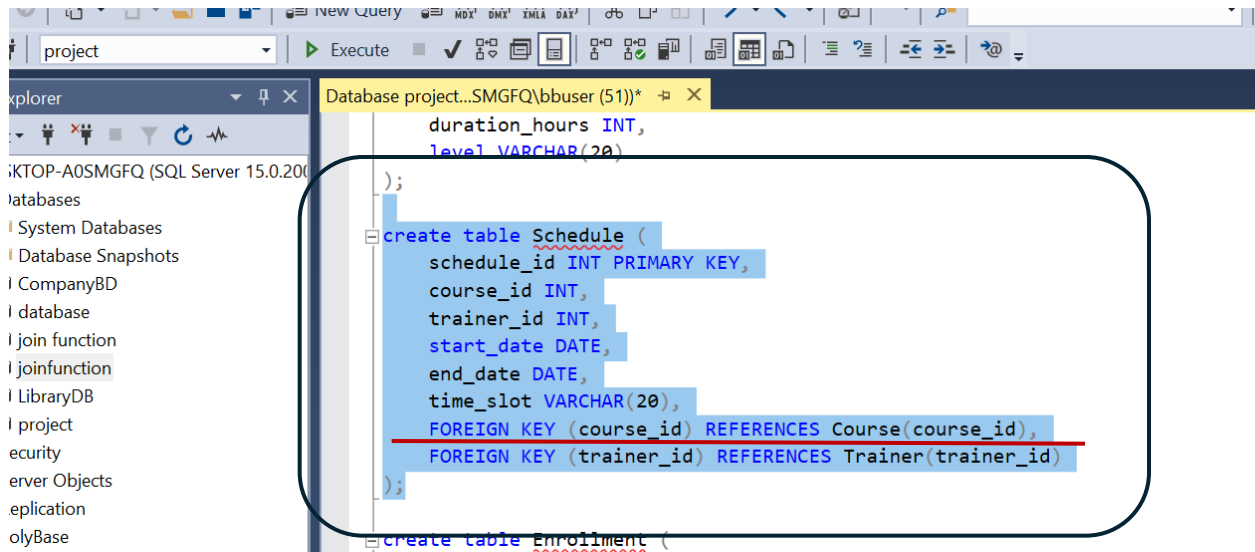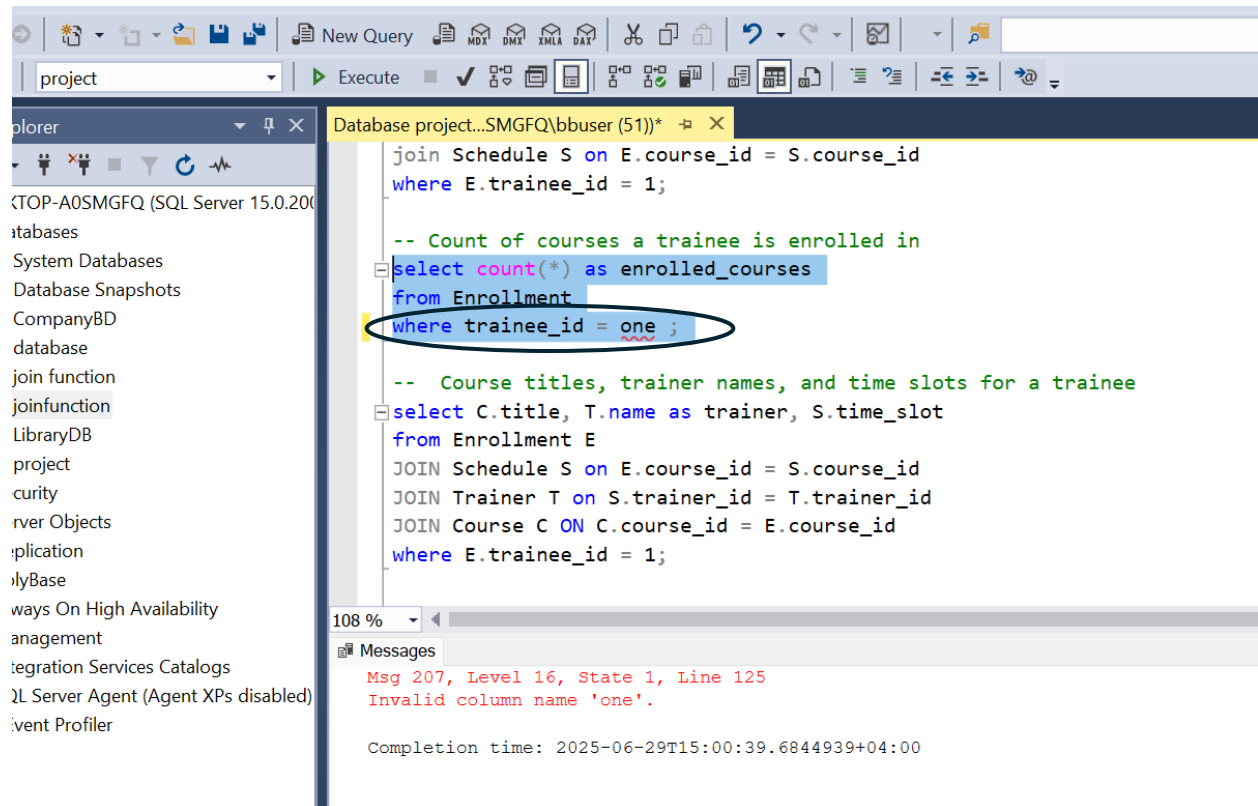
Another error is appear when use drop for table course but can not because it has forging key :

So my solution of this error is to delete drop for code typing because unnecessary to use in my project .

I need to use table course in join function so it will appear another error again


```
        (2, 2, 1, '2025-06-02'),
        (3, 3, 2, '2025-06-03'),
        (4, 4, 3, '2025-06-04'),
        (5, 5, 3, '2025-06-05'),
        (6, 1, 4, '2025-06-06');

    select * from Enrollment

    -- DML Operations: UPDATE, DELETE, DROP

    update Trainee
    set background = 'AI & Data Science'
    where trainee_id = 5;

    drop table if exists Course;
```

```
Msg 3726, Level 16, State 1, Line 103
Could not drop object 'Course' because it is referenced by a FOREIGN KEY constraint.

Completion time: 2025-06-29T14:43:38.2201506+04:00
```

Another error appear that can not use syntax one replace it with 1 number when I use where constrain :


```sql
join Schedule S on E.course_id = S.course_id
where E.trainee_id = 1;

-- Count of courses a trainee is enrolled in
select count(*) as enrolled_courses
from Enrollment
where trainee_id = one ;

--  Course titles, trainer names, and time slots for a trainee
select C.title, T.name as trainer, S.time_slot
from Enrollment E
JOIN Schedule S on E.course_id = S.course_id
JOIN Trainer T on S.trainer_id = T.trainer_id
JOIN Course C ON C.course_id = E.course_id
where E.trainee_id = 1;
```
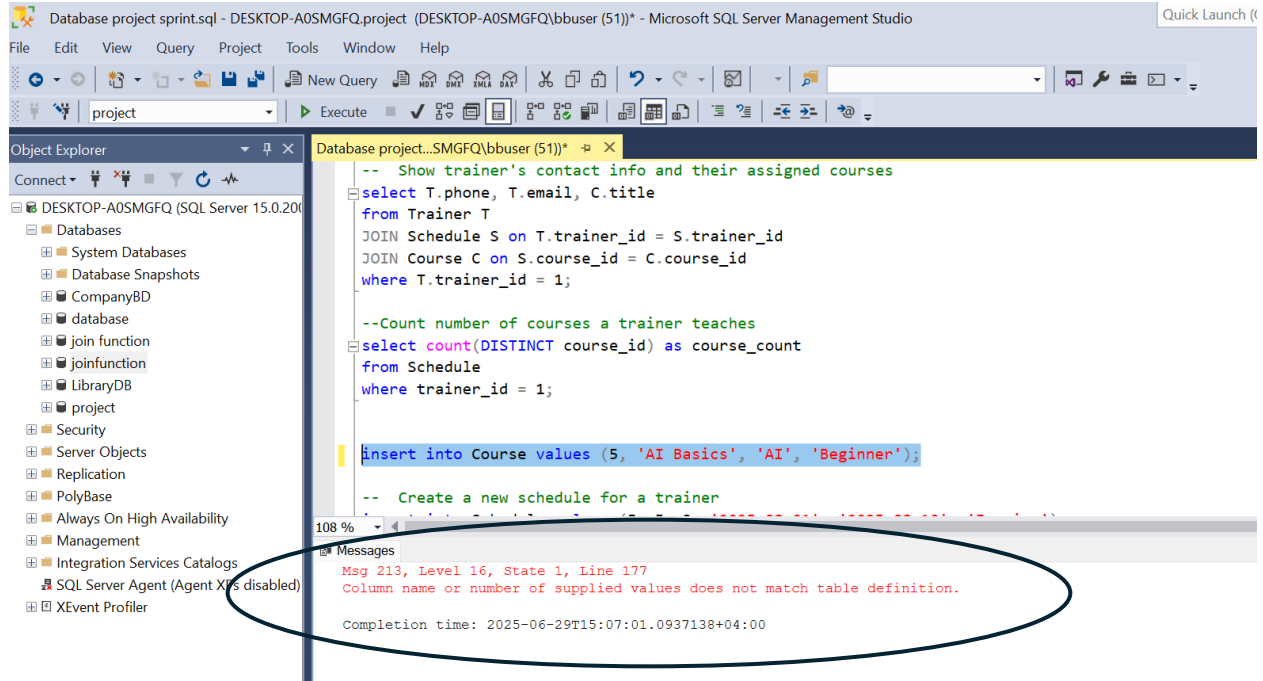
```
Msg 207, Level 16, State 1, Line 125
Invalid column name 'one'.

Completion time: 2025-06-29T15:00:39.6844939+04:00
```

Another error appears when use insert for course table :

How to solve it :

I insert into the `Course` table with only **4 values,** but the table expects **5 columns**:

So I add value 20