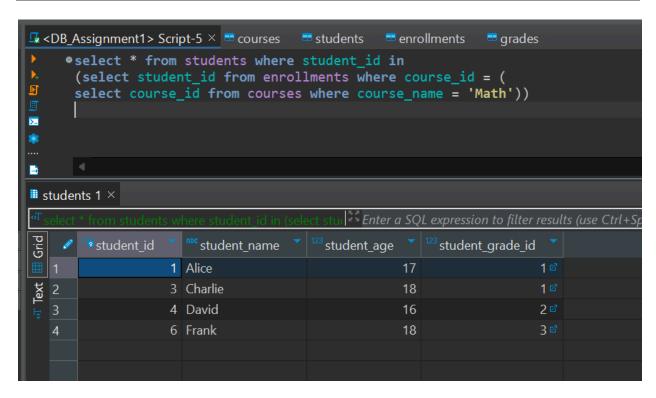
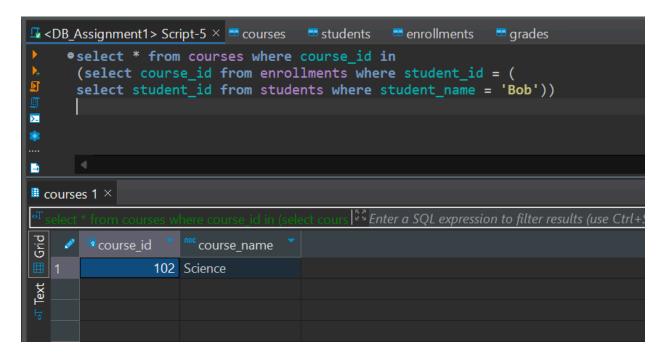
Q1. Find all students enrolled in the Math course.

```
select * from students where student_id in
(select student_id from enrollments where course_id =
( select course_id from courses where course_name = 'Math'))
```



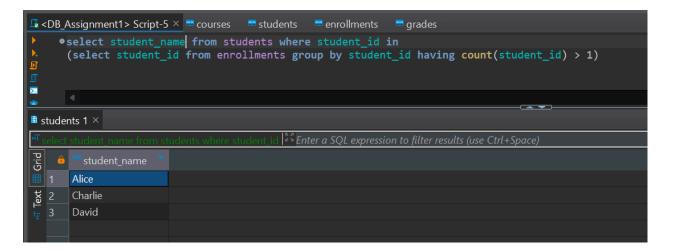
Q2. List all courses taken by students named Bob.

```
select * from courses where course_id in
(select course_id from enrollments where student_id = (
select student_id from students where student_name = 'Bob'));
```



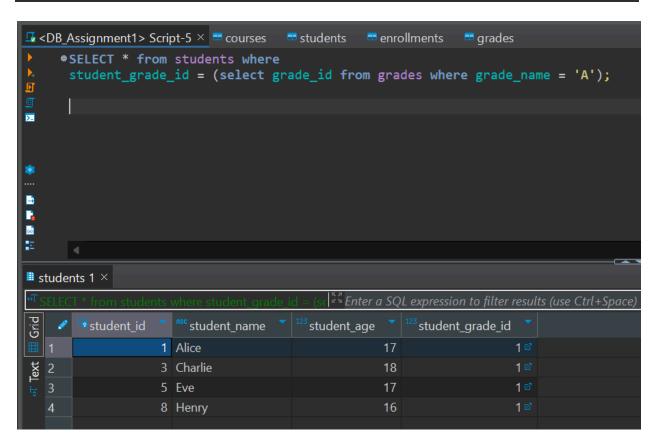
Q3. Find the names of students who are enrolled in more than one course.

select student_name from students where student_id in
(select student_id from enrollments group by student_id having count(student_id) > 1);



Q4. List all students who are in Grade A (grade_id = 1).

```
SELECT * from students where
student_grade_id = (select grade_id from grades where grade_name = 'A');
```



Q5. Find the number of students enrolled in each course.

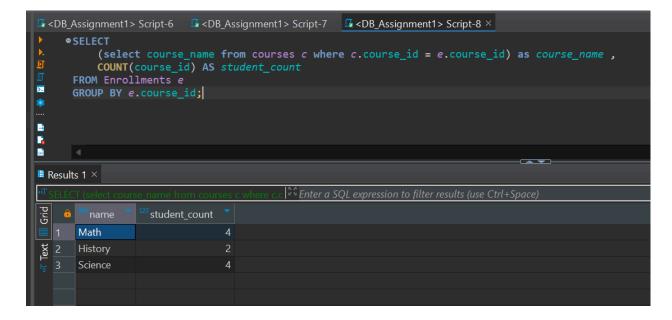
```
SELECT

(select course_name from courses c where c.course_id = e.course_id) as course_name,

COUNT(course_id) AS student_count

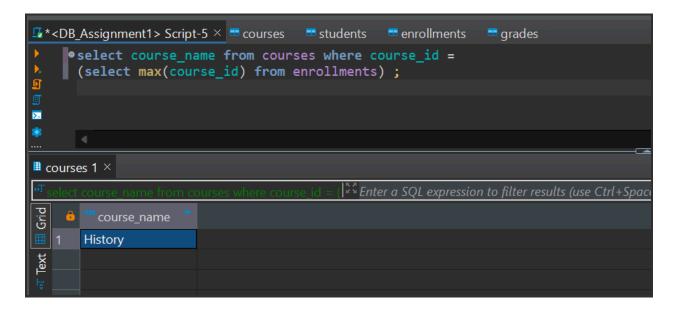
FROM Enrollments e

GROUP BY e.course_id;
```



Q6. Retrieve the course with the highest number of enrollments.

select course name from courses where course_id = (select max(course_id) from enrollments);



Q7. List students who are enrolled in all available courses.

```
select student_name

from Students

WHERE

student_id IN (
    select student_id
    from Enrollments

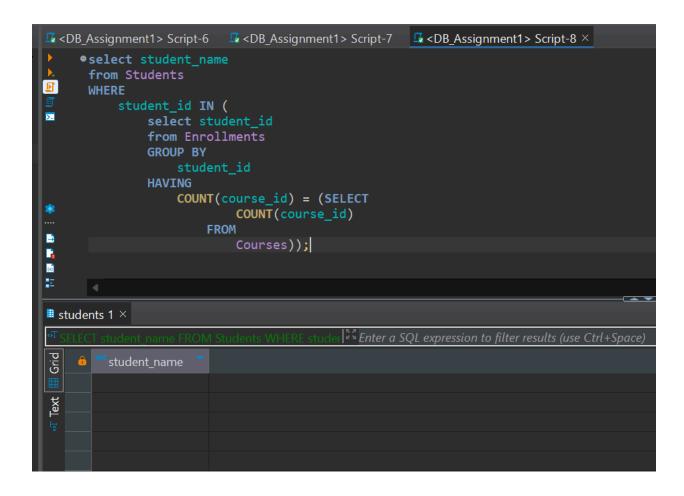
GROUP BY
    student_id

HAVING

COUNT(course_id) = (SELECT

COUNT(course_id)

FROM
    Courses));
```



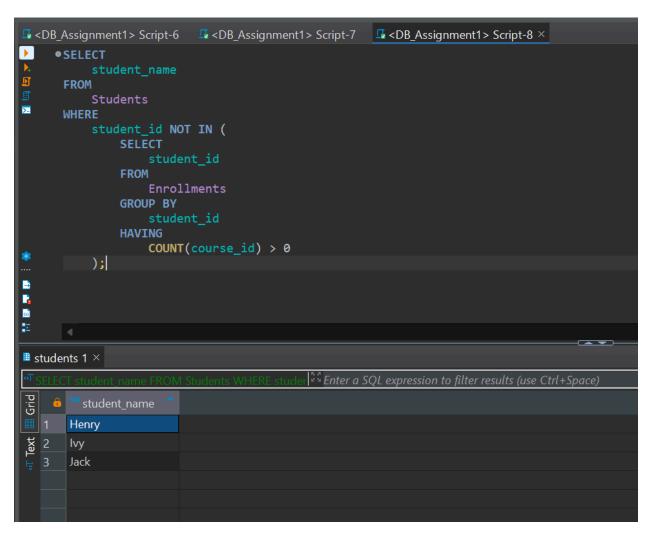
Q8. Find students who are not enrolled in any courses.

```
SELECT
student_name

FROM
Students

WHERE
student_id NOT IN (
SELECT
student_id
FROM
Enrollments
GROUP BY
student_id
HAVING
COUNT(course_id) > 0

);
```



Q9. Retrieve the average age of students enrolled in the Science course.

```
SELECT

AVG(student_age) as Avg_Age

FROM

Students

WHERE

student_id IN (

SELECT

student_id

FROM

Enrollments

WHERE

course_id = (

SELECT

course_id

FROM

courses

WHERE

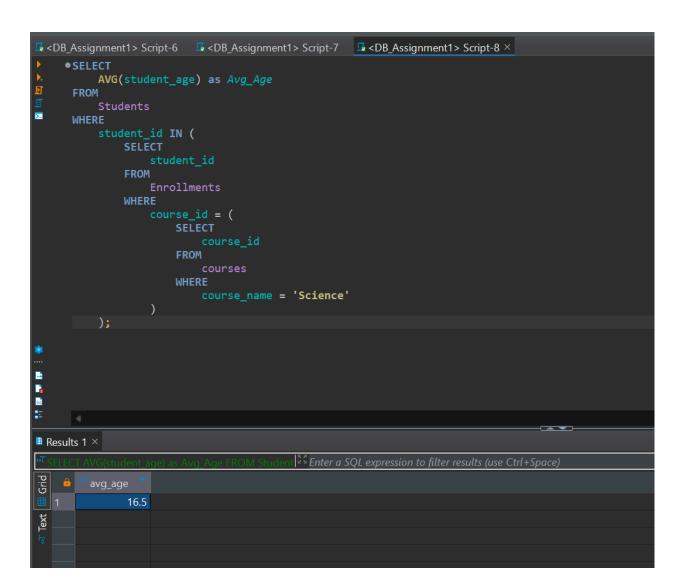
course_se

WHERE

course_name = 'Science'

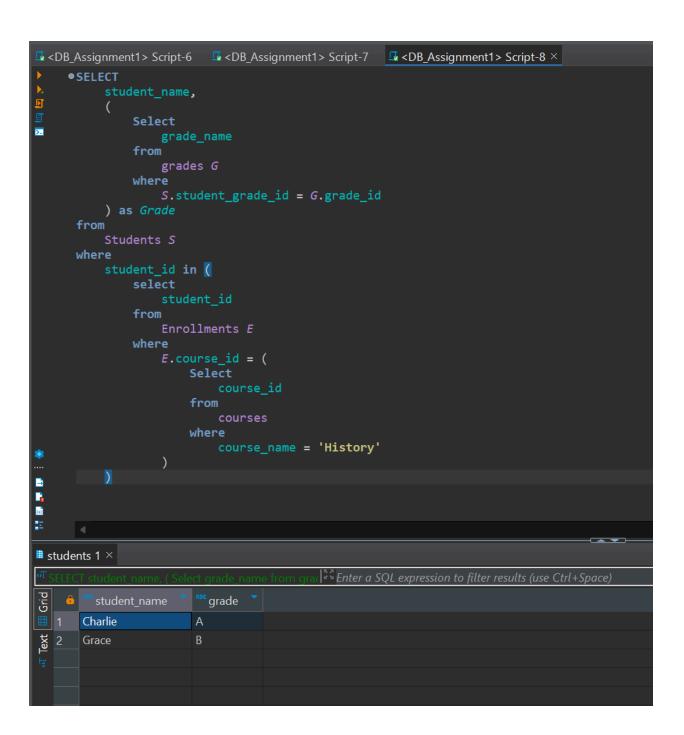
)

);
```



Q10. Find the grade of students enrolled in the History course.

```
SELECT
   Select
   from
     grades G
   where
      S.student_grade_id = G.grade_id
 ) as Grade
from
 Students S
where
   select
   from
      Enrollments E
   where
        Select
        from
          courses
        where
          course_name = 'History'
```



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