SQL Quiz

Given 2 tables.

STUDENT

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| id | name | login | age | gpa |
| 101 | George Clooney | george@sunday.com | 16 | 4.00 |
| 102 | Tom Hanks | tom@sunday.com | 18 | 3.65 |
| … | … | … | … | … |
| 200 | Al Pacino | al@sunday.com | 20 | 3.1 |

ENROLLED

|  |  |  |
| --- | --- | --- |
| student\_id | class\_id | grade |
| 101 | 11200 | A+ |
| 101 | 11221 | A+ |
| … | … | … |
| 200 | 11231 | B |

1. Write an SQL query to find the average GPA of each class.  
   WITH STUDENT\_ENROLLED AS

(SELECT \* FROM STUDENT s JOIN ENROLLED e on s.id = e.student\_id)

SELECT AVG(STUDENT\_ENROLLED.gpa), STUDENT\_ENROLLED.class\_id

FROM STUDENT\_ENROLLED

GROUP BY STUDENT\_ENROLLED.class\_id

1. Write an SQL query to print the student name who has the lowest GPA.  
   SELECT name

FROM STUDENT

WHERE gpa =

(SELECT MIN(gpa)

FROM STUDENT)

1. Write an SQL query to count the number of students who have more than 2 classes.  
   WITH COUNT\_CLASS

AS (

SELECT student\_id, COUNT(class\_id) as number

FROM ENROLLED

GROUP BY student\_id

)

SELECT COUNT(COUNT\_CLASS.number) as number\_of\_student

FROM COUNT\_CLASS

WHERE COUNT\_CLASS.number >= 2