**ASSIGNMENT 1 IN SQL**

1.SELECT AVG(grade) AS average\_grade

FROM Enrollments;

2.SELECT s.name, c.course\_name

FROM Students s

JOIN Enrollments e ON s.student\_id = e.student\_id

JOIN Courses c ON e.course\_id = c.course\_id;

3.SELECT grade\_level, COUNT(\*) AS num\_students

FROM Students

GROUP BY grade\_level;

4.SELECT c.course\_name, MAX(e.grade) AS max\_grade

FROM Enrollments e

JOIN Courses c ON e.course\_id = c.course\_id

GROUP BY c.course\_name;

5.SELECT AVG(e.grade) AS average\_grade\_level\_3

FROM Enrollments e

JOIN Students s ON e.student\_id = s.student\_id

WHERE s.grade\_level = 3;

6.SELECT s.name, c.course\_name, c.credits

FROM Students s

JOIN Enrollments e ON s.student\_id = e.student\_id

JOIN Courses c ON e.course\_id = c.course\_id;

7.SELECT c.course\_name

FROM Enrollments e

JOIN Courses c ON e.course\_id = c.course\_id

GROUP BY c.course\_name

HAVING AVG(e.grade) > 3.0;

8.SELECT DISTINCT s.name

FROM Students s

WHERE s.student\_id NOT IN(

SELECT e.student\_id

FROM Enrollments e

WHERE e.grade = 4.0);

9.SELECT s.name

FROM Students s

JOIN Enrollments e ON s.student\_id = e.student\_id

GROUP BY s.name

HAVING AVG(e.grade) > (SELECT AVG(grade) FROM Enrollments);

10.SELECT s.name, COUNT(e.course\_id) AS total\_courses, AVG(e.grade) AS average\_grade

FROM Students s

JOIN Enrollments e ON s.student\_id = e.student\_id

GROUP BY s.name;

