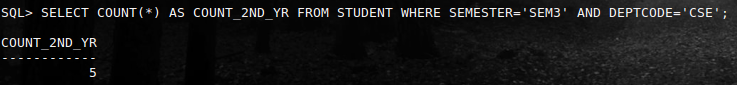
**NAME: SNEHA TIWARI**

**UNIV ROLL NO.: 11500119052**

**ASSIGNMENT 8 – QUERY OUTPUT**

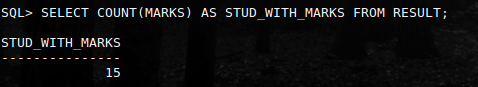
**i. Find the number of students in CSE second year.**

SELECT COUNT(\*) AS COUNT\_2ND\_YR FROM STUDENT WHERE SEMESTER='SEM3' AND DEPTCODE='CSE';



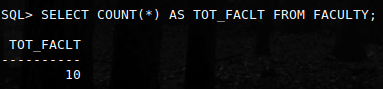
**ii. Find the number of students whose marks of any subject is available.**

SELECT COUNT(MARKS) AS STUD\_WITH\_MARKS FROM RESULT;



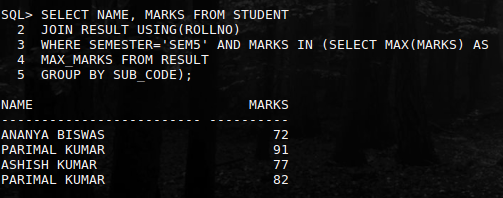
**iii. Find total number of faculty.**

SELECT COUNT(\*) AS TOT\_FACLT FROM FACULTY;



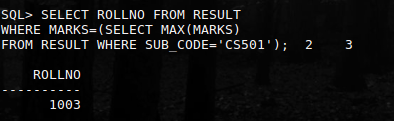
**iv. Find the 5th semester student(s) who got maximum marks in a subject.**

SELECT NAME, MARKS FROM STUDENT   
JOIN RESULT USING(ROLLNO)   
WHERE SEMESTER='SEM5' AND MARKS IN (SELECT MAX(MARKS) AS   
MAX\_MARKS FROM RESULT   
GROUP BY SUB\_CODE);



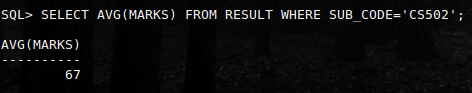
**v. Find the roll number of a student who got maximum marks in CS501.**

SELECT ROLLNO FROM RESULT   
WHERE MARKS=(SELECT MAX(MARKS)   
FROM RESULT WHERE SUB\_CODE='CS501');



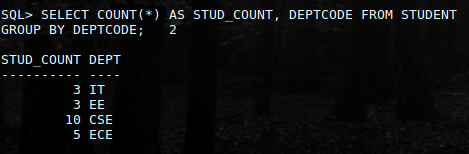
**vi. Display average marks of CS502.**

SELECT AVG(MARKS) FROM RESULT WHERE SUB\_CODE='CS502';



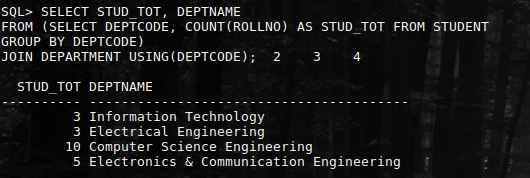
**vii. Find the number of students in each department with their department code.**

SELECT COUNT(\*) AS STUD\_COUNT, DEPTCODE FROM STUDENT  
GROUP BY DEPTCODE;



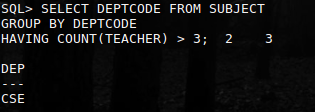
**viii. Find the number of students in each department with their department name.**

SELECT STUD\_TOT, DEPTNAME   
FROM (SELECT DEPTCODE, COUNT(ROLLNO) AS STUD\_TOT FROM STUDENT   
GROUP BY DEPTCODE)   
JOIN DEPARTMENT USING(DEPTCODE);



**ix.  Find the Department with more than three faculty.**

SELECT DEPTCODE FROM SUBJECT   
GROUP BY DEPTCODE   
HAVING COUNT(TEACHER) > 3;

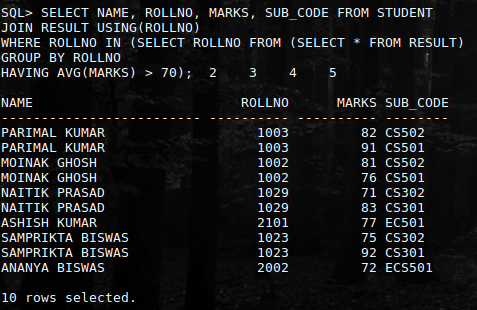


**x.  Find the student name and roll no who get more than 80 in at least two subject.**

SELECT NAME, ROLLNO, MARKS, SUB\_CODE FROM STUDENT  
JOIN RESULT USING(ROLLNO)  
WHERE ROLLNO IN (SELECT ROLLNO FROM (SELECT \* FROM RESULT WHERE MARKS > 80)   
GROUP BY ROLLNO  
HAVING COUNT(\*) >= 2);

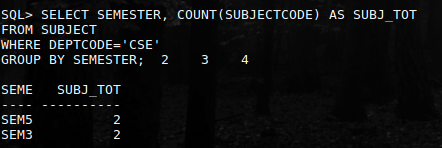
**xi. Find the student name and roll no who get more than 70 in average.**

SELECT NAME, ROLLNO, MARKS, SUB\_CODE FROM STUDENT  
JOIN RESULT USING(ROLLNO)  
WHERE ROLLNO IN (SELECT ROLLNO FROM (SELECT \* FROM RESULT)   
GROUP BY ROLLNO   
HAVING AVG(MARKS) > 70);



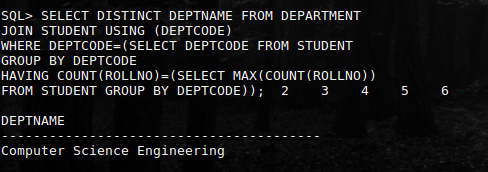
**xii. Display number of subject semester wise in dept CSE.**

SELECT SEMESTER, COUNT(SUBJECTCODE) AS SUBJ\_TOT   
FROM SUBJECT   
WHERE DEPTCODE='CSE'   
GROUP BY SEMESTER;



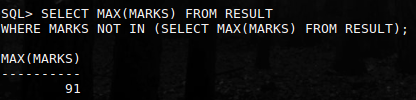
**xiii. Find the department name with maximum number of students.**

SELECT DISTINCT DEPTNAME FROM DEPARTMENT  
JOIN STUDENT USING (DEPTCODE)   
WHERE DEPTCODE=(SELECT DEPTCODE FROM STUDENT   
GROUP BY DEPTCODE   
HAVING COUNT(ROLLNO)=(SELECT MAX(COUNT(ROLLNO))   
FROM STUDENT GROUP BY DEPTCODE));



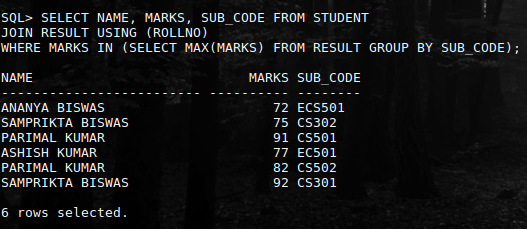
**xiv. Find the second highest marks of the result table.**

SELECT MAX(MARKS) FROM RESULT   
WHERE MARKS NOT IN (SELECT MAX(MARKS) FROM RESULT);



**xv. Find the students name who got highest marks, subjectwise.**

SELECT NAME, MARKS, SUB\_CODE FROM STUDENT   
JOIN RESULT USING (ROLLNO)   
WHERE MARKS IN (SELECT MAX(MARKS) FROM RESULT GROUP BY SUB\_CODE);



**---------------------------------------**