

Assignment

Aug24/ DBT/ 008
Database Technologies
Diploma in Advance Computing
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Aggregate Functions.

USE *student_phone*, *student_address*, *faculty_phone*, *faculty_address*, *batch_students*, *course_batches*, *student_qualifications*, *faculty_qualifications*, *course_modules*, *modules*, *faculty*, *student*, *course*, *student_cards*, and *student_order* relation to solve the following queries.

1. Count total number of students.
select count(ID) from student;
2. Count total number of students who are born in 1986.
select count(id) from student where year(dob) = 1986;
3. Count total number of students whose namefirst starts with the letter 'B'.
select count(*) as total_students from student where left(namefirst, 1) = 'b';
4. Count total number student who were born in 'July'.
select count(*) from student where month(dob) = 7;
5. Display studentID and count the student who are having more than two phones.
select id, count(number) as phone_count from student_phone group by id having count(number) > 2;
6. Count unique universities from student_qualifications table.
select count(distinct university) as unique_university_count from student_qualifications;
7. Display the university name and the count of those students who have done 'BE'
select university, count(*) as student_count from student_qualifications where name = 'be' group by university;
8. Count how many students has done 'BE'.
select name, count(*) as student_count from student_qualifications where name = 'be';
9. Count how many students has not done 'BE'.

select count(*) as students_not_done_be from student_qualifications where name <> 'be' or name is null;
10. Find the maximum marks student got in 'BE'.
select max(marks) as max_marks from student_qualifications where name= 'be';
11. Find the minimum marks student got in 'BE'.
select min(marks) as min_marks from student_qualifications where name= 'be';
12. Count how many course_batches have started on '2016-02-01'.
select count(*) as batch_count from course_batches where starton = '2016-02-01';
13. Count the number of students who have more than 60% in 'BE'.
select count(*) as students_above_60_percent from student_qualifications where name = 'be' and marks > 60;
14. Count the number of students who have more than 60% in 'BE' and done from 'Harvard university'.
select count(*) as students_above_60_percent_harvard from (select *from student_qualifications where name = 'be' and marks > 60) as qualified_students where university = 'harvard university';
15. Count number of courses.
select count(*) as coursename from course;
16. count how many distinct universities from student_qualifications table.
select count(distinct university) as distinct_university_count from student_qualifications;
17. Find the maximum marks any student has got in "BE".
select max(marks) as max_marks from student_qualifications where name= 'be';