Assignment

Sept23/ DBT/ 008
Database Technologies
Diploma in Advance Computing
September 2023

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(*) from student;

2.   Count total number of students who are born in 1986.
select count(*) from student where date_format(dob,'%Y')=1986;

3.   Count total number of students whose namefirst starts with the letter 'B'.
select count(*) from student where left(namefirst,1)='b';

4.   Count total number student who were born in 'July.
select count(*) from student where date_format(dob,'%M')='july';

5.   Display studentID and count the student who are having more than two phones.
select studentid, count(*) from student_phone group by studentid having count(*)>2;

6.   Count unique universities from student_qualifications table.
select university,count(*) from student_qualifications group by university having count(*)=1;

7.   Display the university name and the count of those students who have done 'BE'
select name,university from student_qualifications where name='BE';

8.   Count how many students has done 'BE'.
select count(*) from student_qualifications where name='be';

9.   Count how many students has not done 'BE'.
select count(*) from student_qualifications where name!='be';

10. Find the maximum marks student got in 'BE'.
select name,university,marks from student_qualifications where name='BE' order by marks desc limit 3;

11. Find the minimum marks student got in 'BE'.
select name,university,marks from student_qualifications where name='BE' order by marks desc limit 19,1;
12. Count how many course_batches have started on '2016-02-01'.
select count(*) from course_batches where starton='2016-02-01';
13. Count the number of students who have more than 60% in 'BE'.
select count(*) 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(*) from student_qualifications where name='BE'and marks>60 and university='harvard university';
15. Count number of courses.
Select count(*) from course;
16. Count how many distinct universities from student_qualifications table.
select count(distinct university) from student_qualifications;
17. Find the maximum marks any student has got in "BE".
select max(marks) from student_qualifications where name='BE';