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.

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| --- |
| 1. Count total number of students. |
| select count(\*) as Total\_Number\_Of\_student from student; |
|  |
| 1. Count total number of students who are born in 1986. |
| select count(\*) as Total\_Number from student where date\_format(DOB,'%Y')=1986; |
|  |
| 1. Count total number of students whose namefirst starts with the letter ‘B’. |
| select count(\*) as Total\_Number from student where namefirst like 'B%'; |
|  |
| 1. Count total number student who were born in ‘July. |
| select count(\*) as Total\_Number from student where date\_format(DOB,'%m')=7; |
|  |
| 1. Display studentID and count the student who are having more than two phones. |
| SELECT studentID, COUNT(studentID)as TOTAL\_PHONE\_NO From student\_phone Group by studentID Having count(studentID)>2; |
|  |
| 1. Count unique universities from student\_qualifications table. |
| select distinct university from student\_qualifications ; |
|  |
| 1. Display the university name and the count of those students who have done ‘BE’ |
| select university,count(studentID) from student\_qualifications where name="BE" group by university; |
|  |
| 1. Count how many students has done ‘BE’. |
| select count(name) from student\_qualifications where name="BE"; |
|  |
| 1. Count how many students has not done ‘BE’. |
| select count(name) from student\_qualifications where name!="BE"; |
|  |
| 1. Find the maximum marks student got in ‘BE’. |
| select max(marks) from student\_qualifications where name="BE"; |
|  |
| 1. Find the minimum marks student got in ‘BE’. |
| select min(marks) from student\_qualifications where name="BE"; |
|  |
| 1. Count how many course\_batches have started on ’2016-02-01’. |
| select count(\*) from course\_batches where STR\_TO\_DATE(starton, '%Y-%m-%d')='2016-02-01'; |
|  |
| 1. Count the number of students who have more than 60% in ‘BE’. |
| select count(\*) from student\_qualifications where marks>60 group by name having name="BE"; |
|  |
| 1. Count the number of students who have more than 60% in ‘BE’ and done from ‘Harvard university’. |
| select count(\*) from student\_qualifications where marks>60 and university="Harvard University" group by name having name="BE"; |
|  |
| 1. Count number of courses. |
| select count(name) from course; |
|  |
| 1. Count how many distinct universities from student\_qualifications table. |
| select count(distinct university) from student\_qualifications; |
|  |
| 1. Find the maximum marks any student has got in “BE”. |
| select max(marks) from student\_qualifications where name="BE"; |
|  |