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; |
|  |
| 1. Count total number of students who are born in 1986. |
| select count(\*) from student where year(dob)=1986; |
|  |
| 1. Count total number of students whose namefirst starts with the letter ‘B’. |
| select count(\*) from student where namefirst like 'b%'; |
|  |
| 1. Count total number student who were born in ‘July. |
| select count(\*) from student where monthname(dob)='july'; |
|  |
| 1. Display studentID and count the student who are having more than two phones. |
| select studentID, count(number) from student\_phone group by studentID having count(number)>2; |
|  |
| 1. Count unique universities from student\_qualifications table. |
| select count(distinct university) from student\_qualifications;  select count(\*) from (select university, count(\*) from student\_qualifications group by university) e; |
|  |
| 1. Display the university name and the count of those students who have done ‘BE’ |
| select university, count(name) from student\_qualifications where name='be' group by university;  select university,count(\*) from student\_qualifications group by university,name having name='BE'; |
|  |
| 1. Count how many students has done ‘BE’. |
| select count(studentID), name from student\_qualifications where name='BE' group by name;  select count(\*), name from student\_qualifications group by name having name='BE';  select count(\*), name from student\_qualifications where name='be' group by name;  select count(\*) from student\_qualifications where name='BE'; |
|  |
| 1. Count how many students has not done ‘BE’. |
| select count(\*) from student\_qualifications where name!='be'; |
|  |
| 1. Find the maximum marks student got in ‘BE’. |
| select max(marks), name from student\_qualifications where name='BE' group by name; |
|  |
| 1. Find the minimum marks student got in ‘BE’. |
| select min(marks), name from student\_qualifications where name='BE' group by name; |
|  |
| 1. Count how many course\_batches have started on ’2016-02-01’. |
| select count(name), starton from course\_batches where date(starton)='2016-02-01' group by starton; |
|  |
| 1. Count the number of students who have more than 60% in ‘BE’. |
| select count(\*) from student\_qualifications where name='be' and marks>67; |
|  |
| 1. 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>67 and university='harvard university'; |
|  |
| 1. Count number of courses. |
| select count(\*) 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'; |
|  |