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(\*) 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 left(namefirst,1)='B';** |
|  |
| 1. Count total number student who were born in ‘July. |
| **select count(\*) from student where month(dob)=7;** |
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| 1. Display studentID and count the student who are having more than two phones. |
| **select studentid,count(\*) from student\_phone group by studentid having count(\*)>1;** |
|  |
| 1. Count unique universities from student\_qualifications table. |
| **select distinct university,count(\*) from student\_qualifications group by university;** |
|  |
| 1. Display the university name and the count of those students who have done ‘BE’ |
| **select university,count(\*) from student\_qualifications where name='BE' group by university;** |
|  |
| 1. Count how many students has done ‘BE’. |
| **select name,count(\*) from student\_qualifications where name='BE';** |
|  |
| 1. Count how many students has not done ‘BE’. |
| **select count(\*) from student\_qualifications where name not in('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 starton='2016-02-01';** |
|  |
| 1. Count the number of students who have more than 60% in ‘BE’. |
| **select count(\*) from student\_qualifications where marks>67 and 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>67 and name='BE' 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(\*)from (select distinct university,count(\*) from student\_qualifications group by university)e;** |
|  |
| 1. Find the maximum marks any student has got in “BE”. |
| **select max(marks) from student\_qualifications where name='BE';** |
|  |