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(\*) as 'total number' from student; |
|  |
| 1. Count total number of students who are born in 1986. |
| select count(\*) as 'total number' from student where dob like '1986%'; |
|  |
| 1. Count total number of students whose namefirst starts with the letter ‘B’. |
| select namefirst, count(\*) as ' number of students' from student where namefirst like 'B%' group by namefirst ; |
|  |
| 1. Count total number student who were born in ‘July. |
| select monthname(dob) as r1, count(\*) as ' number of students' from student where monthname(dob)='july' group by r1 ; |
|  |
| 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(number)>2; |
|  |
| 1. Count unique universities from student\_qualifications table. |
| select count(distinct university) from student\_qualifications; |
|  |
| 1. Display the university name and the count of those students who have done ‘BE’ |
| select university,count(\*) as r1 from student\_qualifications where name='BE' group by university ; |
|  |
| 1. Count how many students has done ‘BE’. |
| select count(\*) as r1 from student\_qualifications where name='BE' ; |
|  |
| 1. Count how many students has not done ‘BE’. |
| select count(\*) as r1 from student\_qualifications where not name='BE' ; |
|  |
| 1. Find the maximum marks student got in ‘BE’. |
| select max(marks) as r1 from student\_qualifications where name='BE' |
|  |
| 1. Find the minimum marks student got in ‘BE’. |
| select min(marks) as r1 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>60 and name = 'BE'; |
|  |
| 1. Count the number of students who have more than 60% in ‘BE’ and done from ‘Harvard university’. |
| select university, count(\*) from student\_qualifications where marks>60 and name = 'BE' and university ='harvard university' ;  select university,count(\*) from student\_qualifications where marks>60 and name='BE' group by university having 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) as r1 from student\_qualifications where name='BE' |
|  |