Assignment

Aug24/ DBT/ 008

Database Technologies

Diploma in Advance Computing

August 2024

**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 DATE\_FORMAT(dob, '%M')='july'; |
|  |
| 1. Display studentID and count the student who are having more than two phones. |
| select studentID,count(number) as phonecount from student\_phone group by studentID having count(number)>2; |
|  |
| 1. Count unique universities from student\_qualifications table. |
| select distinct university,count(university) as universityCount from student\_qualifications group by university having count(university)=1; |
|  |
| 1. Display the university name and the count of those students who have done ‘BE’ |
| select name,count(name) from student\_qualifications group by name having name='BE'; |
|  |
| 1. Count how many students has done ‘BE’. |
| select name,count(name) from student\_qualifications group by name having name='BE'; |
|  |
| 1. Count how many students has not done ‘BE’. |
| select name,count(name) from student\_qualifications group by name having name!='BE'; |
|  |
| 1. Find the maximum marks student got in ‘BE’. |
| select name,max(marks) from student\_qualifications group by name having name='BE'; |
|  |
| 1. Find the minimum marks student got in ‘BE’. |
| select name,min(marks) from student\_qualifications group by name having name='BE'; |
|  |
| 1. Count how many course\_batches have started on ’2016-02-01’. |
| select \* from course\_batches where starton>'2016-02-01'; |
|  |
| 1. Count the number of students who have more than 60% in ‘BE’. |
| select count(name) from student\_qualifications where name='BE' and marks>60 ; |
|  |
| 1. Count the number of students who have more than 60% in ‘BE’ and done from ‘Harvard university’. |
| select count(name) from student\_qualifications where (name='BE' and marks>60 and university='Harvard university') ; |
|  |
| 1. Count number of courses. |
| select count(name) from course; |
|  |
| 1. Count how many distinct universities from student\_qualifications table. |
| select distinct university,count(university) as universityCount from student\_qualifications group by university having count(university)=1; |
|  |
| 1. Find the maximum marks any student has got in “BE”. |
| select name,max(marks) from student\_qualifications group by name having name='BE'; |
|  |