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(\*) c from student; |
|  |
| 1. Count total number of students who are born in 1986. |
| select count(\*) c from student where year(DOB) = 1986; |
|  |
| 1. Count total number of students whose namefirst starts with the letter ‘B’. |
| select count(\*) c from student where left(namefirst,1) = 'B'; |
|  |
| 1. Count total number student who were born in ‘July. |
| select count(\*) c from student where monthname(DOB) = 'July'; |
|  |
| 1. Display studentID and count the student who are having more than two phones. |
| select studentid, count(number) noOfPhones 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(\*) C from student\_qualifications where name='BE' group by university; |
|  |
| 1. Count how many students has done ‘BE’. |
| select count(\*) noOfStudents from student\_qualifications where name = 'BE'; |
|  |
| 1. Count how many students has not done ‘BE’. |
| select count(\*) noOfStudents from student\_qualifications where name not in ('BE'); |
|  |
| 1. Find the maximum marks student got in ‘BE’. |
| select max(marks) noOfStudents from student\_qualifications where name = 'BE'; |
|  |
| 1. Find the minimum marks student got in ‘BE’. |
| select min(marks) noOfStudents from student\_qualifications where name = 'BE'; |
|  |
| 1. Count how many course\_batches have started on ’2016-02-01’. |
| select count(\*) noOfBatches from course\_batches where starton = '2016-02-01'; |
|  |
| 1. Count the number of students who have more than 60% in ‘BE’. |
| select count(\*) noOfStudents 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(\*) noOfStudents from student\_qualifications where name = 'BE' and marks > 60 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) noOfUniversities from student\_qualifications; |
|  |
| 1. Find the maximum marks any student has got in “BE”. |
| select max(marks) Marks from student\_qualifications where name = 'BE'; |
|  |