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)=1989; |
|  |
| 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; |
|  |
| 1. Display studentID and count the student who are having more than two phones. |
| select studentid, count(number) from student\_phone group by studentid order by count(number) desc; |
|  |
| 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(ID) from student\_qualifications where name="BE" group by university; |
|  |
| 1. Count how many students has done ‘BE’. |
| 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) "Highest in BE" from student\_qualifications where name="BE"; |
|  |
| 1. Find the minimum marks student got in ‘BE’. |
| select min(marks) "Lowest in BE" from student\_qualifications where name="BE"; |
|  |
| 1. Count how many course\_batches have started on ’2016-02-01’. |
| select count(\*) "Number of courses started on 2016/02/01" from course\_batches where starton = "2016-02-01"; |
|  |
| 1. Count the number of students who have more than 60% in ‘BE’. |
| select count(\*) "More than 60%" from student\_qualifications where marks>60; |
|  |
| 1. Count the number of students who have more than 60% in ‘BE’ and done from ‘Harvard university’. |
| select count(\*) "More than 60% in BE from HU" 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) from student\_qualifications; |
|  |
| 1. Find the maximum marks any student has got in “BE”. |
| select max(marks)from student\_qualifications; |
|  |