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 \* from student where DOB like "1986%"; |
|  |
| 1. Count total number of students whose namefirst starts with the letter ‘B’. |
| select \* from student where namefirst like "B%"; |
|  |
| 1. Count total number student who were born in ‘July. |
| select \* from student where date\_format(DOB,'%c')=07; |
|  |
| 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 university from student\_qualifications group by university having count(\*)=1; |
|  |
| 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' group by name ; |
|  |
| 1. Count how many students has not done ‘BE’. |
| select name, count(\*) from student\_qualifications where name not in('BE') group by name ; |
|  |
| 1. Find the maximum marks student got in ‘BE’. |
| select max(marks) from student\_qualifications where name= 'BE' group by name; |
|  |
| 1. Find the minimum marks student got in ‘BE’. |
| select min(marks) from student\_qualifications where name= 'BE' group by name; |
|  |
| 1. Count how many course\_batches have started on ’2016-02-01’. |
| select count(\*) from course\_batches where starton like '2016-02-01' group by starton; |
|  |
| 1. Count the number of students who have more than 60% in ‘BE’. |
| Select name, count(\*) 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(\*) from student\_qualifications where marks>=60 and university = "Harvard University" and name ='BE' group by 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 where name= 'BE' group by name; |
|  |