Assignment

**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.

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| --- |
| 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 month(DOB) = 7; |
|  |
| 1. Display studentID and count the student who are having more than two phones. |
| select studentID, count(phoneID) as phone\_count from students  group by studentID  having count(phoneID) > 2; |
|  |
| 1. Count unique universities from student\_qualifications table. |
| Select count(distinct university) from student\_qualifcations; |
|  |
| 1. Display the university name and the count of those students who have done ‘BE’ |
| **select university, count(\*) as student\_count**  **from student\_qualifications**  **where degree = 'BE'**  **group by university;** |
|  |
| 1. Count how many students has done ‘BE’. |
| Select count(\*) from student where degree = ‘BE”; |
|  |
| 1. Count how many students has not done ‘BE’. |
| Select count(\*) from student where degree <> ‘BE’; |
|  |
| 1. Find the maximum marks student got in ‘BE’. |
| Select max(marks) from student where degree=’BE”; |
|  |
| 1. Find the minimum marks student got in ‘BE’. |
| Select min(marks) from student where degree=’BE’; |
|  |
| 1. Count how many course\_batches have started on ’2016-02-01’. |
| Select count(\*) from course\_batches where start\_date = ‘2016-02-01’; |
|  |
| 1. Count the number of students who have more than 60% in ‘BE’. |
| Select count(\*) from student where marks>60; |
|  |
| 1. Count the number of students who have more than 60% in ‘BE’ and done from ‘Harvard university’. |
| Count count(\*) from student where marks>60 and university=’Harvard university’; |
|  |
| 1. Count number of courses. |
| Select count(\*) from courses; |
|  |
| 1. Count how many distinct universities from student\_qualifications table. |
| Select count(distinct university) from student\_qualification; |
|  |
| 1. Find the maximum marks any student has got in “BE”. |
| Select max(marks) AS maximum\_marks\_in\_BE  FROM students  WHERE degree = 'BE'; |
|  |