**Assignment**

**Feb25/ DBT/ 008**

**Database Technologies**

**Diploma in Advance Computing**

**February 2025**

**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(namefirst) from student;** |
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| 1. **Count total number of students who are born in 1986.** |
| **select count(namefirst) from student where year(dob)=1986;** |
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| 1. **Count total number of students whose namefirst starts with the letter ‘B’.** |
| **select count(namefirst) from student where namefirst like'b%';** |
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| 1. **Count total number student who were born in ‘July.** |
| **select count(namefirst) from student where monthname(dob)='july';** |
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| 1. **Display studentID and count the student who are having more than two phones.** |
| **select studentid,count(number) from student\_phone group by studentid;** |
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| 1. **Count unique universities from student\_qualifications table.** |
| **select count( distinct university) from student\_qualifications;** |
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| 1. **Display the university name and the count of those students who have done ‘BE’** |
| **select university,count(name='be') from student\_qualifications where name='be' group by university;** |
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| 1. **Count how many students has done ‘BE’.** |
| **select name , count(name='be') from student\_qualifications where name='be' group by name;** |
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| 1. **Count how many students has not done ‘BE’.** |
| **select name , count(name='be') from student\_qualifications where name!='be' group by name;** |
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| 1. **Find the maximum marks student got in ‘BE’.** |
| **select name , count(name='be') from student\_qualifications where name!='be' group by name;** |
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| 1. **Find the minimum marks student got in ‘BE’.** |
| **select name , min(marks) from student\_qualifications where name='be'**  **group by name;** |
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| 1. **Count how many course\_batches have started on ’2016-02-01’.** |
| **select count(\*) from course\_batches where starton='2016-02-01';** |
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| 1. **Count the number of students who have more than 60% in ‘BE’.** |
| **select count(\*) from student\_qualifications where name='be' and marks>60;** |
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| 1. **Count the number of students who have more than 60% in ‘BE’ and done from ‘Harvard university’.** |
| **select count(\*) from student\_qualifications where name='be' and marks>60 and university='harvard university';** |
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| 1. **Count number of courses.** |
| **select count(name) from course;** |
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| 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';** |
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