Assignment

DBT/ 008

Database Technologies

Diploma in Advance Computing

**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. |
| mysql> select count(\*) TOTAL from student; |
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| 1. Count total number of students who are born in 1986. |
| mysql> select namefirst,emailid, count(\*) over() from student where date\_format(dob,'%Y')=1986; |
|  |
| 1. Count total number of students whose namefirst starts with the letter ‘B’. |
| mysql> select namefirst from student where namefirst like 'b%'; |
|  |
| 1. Count total number student who were born in ‘July. |
| mysql> select namefirst from student where date\_format(dob,'%M')='july'; |
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| 1. Display studentID and count the student who is having more than two phones. |
| mysql> SELECT studentID, COUNT(number) AS phone\_count FROM student\_phone GROUP BY studentID HAVING COUNT(number) > 2; |
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| 1. Count unique universities from student\_qualifications table. |
| mysql> 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’ |
| mysql> select distinct university, count(\*) from student\_qualifications where name='be' group by university; |
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| 1. Count how many students has done ‘BE’. |
| mysql> select count(\*) COUNT from student\_qualifications where name='be' group by name; |
|  |
| 1. Count how many students has not done ‘BE’. |
| mysql> select name, count(\*) COUNT from student\_qualifications where name not in ('be') group by name; |
|  |
| 1. Find the maximum marks student got in ‘BE’. |
| mysql> select max(marks) MAXIMUM from student\_qualifications where name='be'; |
|  |
| 1. Find the minimum marks student got in ‘BE’. |
| mysql> select min(marks) MINIMUM from student\_qualifications where name='be'; |
|  |
| 1. Count how many course\_batches have started on ’2016-02-01’. |
| mysql> select name, starton from course\_batches where starton='2016-02-01'; |
|  |
| 1. Count the number of students who have more than 60% in ‘BE’. |
| mysql> select studentid, name, university, marks from student\_qualifications where marks>=60 and name='be'; |
|  |
| 1. Count the number of students who have more than 60% in ‘BE’ and done from ‘Harvard university’. |
| mysql> select count(\*) COUNT from student\_qualifications where name='be'and marks>60 and university='Harvard University'; |
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| 1. Count number of courses. |
| mysql> select count(\*) COUNT from course; |
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| 1. Count how many distinct universities from student\_qualifications table. |
| mysql> select count(distinct university) COUNT from student\_qualifications; |
|  |
| 1. Find the maximum marks any student has got in “BE”. |
| mysql> select max(marks) MAXIMUM from student\_qualifications where name='be'; |
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