Assignment

March23/ DBT/ 008

Database Technologies

Diploma in Advance Computing

March 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.

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| * Count total number of students. |
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| * Count total number of students who are born in 1986. |
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| * Count total number of students whose namefirst starts with the letter ‘B’. |
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|  |
| * Count total number student who were born in ‘July. |
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| * Display studentID and count the student who are having more than two phones. |
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| * Count unique universities from student\_qualifications table. |
| select university, count(university) from student\_qualifications group by university having count(\*)=1; |
|  |
| * Display the university name and the count of those students who have done ‘BE’ |
| select university, count(university) from student\_qualifications where name ='BE'group by university; |
|  |
| * Count how many students has done ‘BE’. |
| select count(studentid) from student\_qualifications where name = 'BE'; |
|  |
| * Count how many students has not done ‘BE’. |
| select count(studentid) from student\_qualifications where name != 'BE'AND NAME !=10 AND NAME !=12;  select count(studentid) from student\_qualifications where name != 'BE'; |
|  |
| * Find the maximum marks student got in ‘BE’. |
| SELECT max(marks) FROM student\_qualifications where name='BE'; |
|  |
| * Find the minimum marks student got in ‘BE’. |
| select min(marks) FROM student\_qualifications where name ='BE'; |
|  |
| * Count how many course\_batches have started on ’2016-02-01’. |
| select count(\*) from course\_batches where starton='2016-02-01'; |
|  |
| * Count the number of students who have more than 60% in ‘BE’. |
| select count(\*) from student\_qualifications where marks>60 and name='BE'; |
|  |
| * 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 name='BE' and university='Harvard University'; |
|  |
| * Count number of courses. |
| select count(\*) from course; |
|  |
| * Count how many distinct universities from student\_qualifications table. |
| select count(distinct university) from student\_qualifications; |
|  |
| * Find the maximum marks any student has got in “BE”. |
| SELECT max(marks) FROM student\_qualifications where name='BE'; |
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