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. |
| SELECT COUNT(\*) TOTAL FROM student; |
|  |
| 1. Count total number of students who are born in 1986. |
| 2) SELECT COUNT(\*) AS TOTAL FROM STUDENT WHERE YEAR(DOB)=1986; |
| 1) SELECT NAMEFIRST , DOB 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 MONTHNAME(DOB)='JULY'; |
|  |
| 1. Display studentID and count the student who is having more than two phones. |
| SELECT STUDENTID ,COUNT(NUMBER) AS CNO FROM STUDENT\_PHONE GROUP BY STUDENTID HAVING CNO>2; |
|  |
| 1. Count unique universities from student\_qualifications table. |
| SELECT COUNT(DISTINCT(UNIVERSITY)) FROM STUDENT\_QUALIFICATIONS; |
|  |
| 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 COUNT(\*) FROM STUDENT\_QUALIFICATIONS WHERE NAME='BE'; |
|  |
| 1. Count how many students has not done ‘BE’. |
| SELECT COUNT(\*) FROM STUDENT\_QUALIFICATIONS WHERE NAME !='BE'; |
|  |
| 1. Find the maximum marks student got in ‘BE’. |
| SELECT MAX(MARKS) FROM STUDENT\_QUALIFICATIONS WHERE NAME='BE'; |
|  |
| 1. Find the minimum marks student got in ‘BE’. |
| SELECT MIN(MARKS) FROM STUDENT\_QUALIFICATIONS WHERE NAME='BE'; |
|  |
| 1. Count how many course\_batches have started on ’2016-02-01’. |
| SELECT\* FROM COURSE\_BATCHES WHERE STARTON='2016-02-01'; |
|  |
| 1. Count the number of students who have more than 60% in ‘BE’. |
| SELECT COUNT(\*) 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’. |
| SELECT COUNT(\*) FROM STUDENT\_QUALIFICATIONS WHERE MARKS>60 AND NAME='BE' AND UNIVERSITY="Harvard University"; |
|  |
| 1. Count number of courses. |
| SELECT COUNT(\*) FROM MODULES; |
|  |
| 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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