Assignment given on: 02-03-20

Sept23/ DBT/ 004

Database Technologies

Diploma in Advance Computing

September 2023

**DML commands: Select data with WHERE, LIMIT, and ORDER BYclause.**

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*** relation to solve the following queries.

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| 1. List all student. |
| **select\* from student;** |
|  |
| 1. List *namefirst*, *namelast*of all students in ascending order of *namefirst*. |
| select namefirst, namelast from student order by namefirst; |
|  |
| 1. List *namefirst*, *namelast*, *DOB*, and *emailID*for the first 5 students. |
| select namefirst, namelast, DOB, emailID from student limit 5; |
|  |
| 1. Display student information of the student*ID* is either 1, 2, 5 or 7. |
| select\* from student where ID=1 or ID=2 or ID=5 or ID=7; |
|  |
| 1. List *namefirst*, *namelast*, and *emailID*ofstudentwhosestudentID is not5, 10, 15, display first 7 rows only. |
| select\* from student where ID <>5 and ID<>10 and ID<>15 limit 7;  or  select\* from student where ID not in(5,10,15) limit 7; |
|  |
| 1. List first two faculty details only. |
| select \* from faculty limit 2; |
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| 1. List all student\_phone numberin ascending order of phone number. |
| select number from student\_phone order by number; |
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| 1. Display the *student\_address* whose studentID is either 2, 4, 6 or 10 in descending order of studentID. |
| select address from student\_address where ID=2 or ID=4 or ID=6 or ID=10 order by studentID desc;  or  select \* from student\_address where ID in(2,4,6,10) order by studentID desc; |
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| 1. List all modules in ascending order of module names. |
| select name from modules order by name desc; |
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| 1. List first 100 modules after arranging the module name in descending order. |
| select name from modules order by name desc limit 10; |
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| 1. List all student\_qualification whose college is ‘New York’. |
| select\* from student\_qualifications where college ='New York'; |
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| 1. List all student\_qualification whose have done “BE” from “Florida” college. |
| select \* from student\_qualifications where name='BE' and college='Florida'; |
|  |
| 1. List all student\_qualifications whose passed the college in the year 2012 and have scored more than 67% marks. |
| select \* from student\_qualifications where year=2012 and marks>67; |
|  |
| 1. List the qualification details for the faculty number 1, and 3. |
| select \* from faculty\_qualifications where facultyID=1 or facultyID=3;  or  select \* from faculty\_qualifications where facultyID in(1,3); |
|  |
| 1. Display the name, college, and university from the student\_qualification who have passed in the year 2018. |
| select name, college, university from student\_qualifications where year=2018; |
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