Assignment

Aug/ DBT/ 003

Database Technologies

Diploma in Advance Computing

August 2024

**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, and student\_order*** relation to solve the following queries.

|  |
| --- |
| 1. List all student. |
| **mysql> select \* from student;**  **+----+-----------+----------+------------+--------------------------+**  **| ID | namefirst | namelast | DOB | emailID |**  **+----+-----------+----------+------------+--------------------------+**  **| 1 | saleel | bagde | 1984-06-12 | saleel.bagde@gmail.com |**  **| 2 | omkar | rokde | 1969-10-25 | omkar.rakde@gmail.com |**  **| 3 | ulka | joshi | 1970-10-25 | ulka.joshi@gmail.com |**  **| 4 | rahul | patil | 1982-10-31 | rahul.patil@gmail.com |**  **| 5 | ruhan | bagde | 1984-01-12 | ruhan.bagde@gmail.com |**  **| 6 | lala | prasad | 1980-12-01 | lala.prasad@gmail.com |**  **| 7 | sharmin | bagde | 1986-12-14 | sharmin.bagde@gmail.com |**  **| 8 | vrushali | bagde | 1984-12-29 | vrushali.bagde@gmail.com |**  **| 9 | vasant | khande | 1992-10-26 | vasant.khande@gmail.com |**  **| 10 | nitish | patil | 1990-10-26 | nitish.patil@gmail.com |**  **| 11 | neel | save | 1975-10-30 | neel.save@gmail.com |**  **| 12 | deep | save | 1986-11-30 | deep.save@gmail.com |**  **| 13 | nrupali | save | 1981-12-01 | nrupali.save@gmail.com |**  **| 14 | supriya | karnik | 1983-12-15 | supriya.karnik@gmail.com |**  **| 15 | bandish | karnik | 1987-12-30 | bandish.karnik@gmail.com |**  **| 16 | sangita | karnik | 1990-12-01 | sangita.karnik@gmail.com |**  **| 17 | sangita | menon | 1989-10-26 | sangita.menon@gmail.com |**  **| 18 | rahul | shah | 1982-06-12 | rahul.shah@gmail.com |**  **| 19 | bhavin | patel | 1983-11-13 | bhavin.patel@gmail.com |**  **| 20 | kaushal | patil | 1982-07-30 | kaushal.patil@gmail.com |**  **| 21 | pankaj | gandhi | 1982-07-30 | pankaj.gandhi@gmail.com |**  **| 22 | rajan | patel | 1982-07-30 | rajan.patel@gmail.com |**  **| 23 | bhavin | patel | 1982-07-30 | bhavin.patel@gmail.com |**  **| 24 | mukesh | bhavsar | 1982-07-30 | mukesh.bhavsar@gmail.com |**  **| 25 | dilu | khande | 1982-07-30 | dilu.khande@gmail.com |**  **| 26 | sonam | khan | 1972-05-13 | sonam.khan@gmail.com |**  **| 27 | rohit | patil | 1976-12-31 | rohit.patil@gmail.com |**  **| 28 | raj | bubber | 1982-02-28 | raj.bubber@gmail.com |**  **+----+-----------+----------+------------+--------------------------+** |
|  |
| 1. List *namefirst*, *namelast*of all students in ascending order of *namefirst*. |
| mysql> select namefirst , namelast from student order by namefirst asc ;  +-----------+----------+  | namefirst | namelast |  +-----------+----------+  | bandish | karnik |  | bhavin | patel |  | bhavin | patel |  | deep | save |  | dilu | khande |  | kaushal | patil |  | lala | prasad |  | mukesh | bhavsar |  | neel | save |  | nitish | patil |  | nrupali | save |  | omkar | rokde |  | pankaj | gandhi |  | rahul | patil |  | rahul | shah |  | raj | bubber |  | rajan | patel |  | rohit | patil |  | ruhan | bagde |  | saleel | bagde |  | sangita | karnik |  | sangita | menon |  | sharmin | bagde |  | sonam | khan |  | supriya | karnik |  | ulka | joshi |  | vasant | khande |  | vrushali | bagde |  +-----------+----------+ |
|  |
| 1. List *namefirst*, *namelast*, *DOB*, and *emailID*for the first 5 students. |
| mysql> select \* from student limit 5;  +----+-----------+----------+------------+------------------------+  | ID | namefirst | namelast | DOB | emailID |  +----+-----------+----------+------------+------------------------+  | 1 | saleel | bagde | 1984-06-12 | saleel.bagde@gmail.com |  | 2 | omkar | rokde | 1969-10-25 | omkar.rakde@gmail.com |  | 3 | ulka | joshi | 1970-10-25 | ulka.joshi@gmail.com |  | 4 | rahul | patil | 1982-10-31 | rahul.patil@gmail.com |  | 5 | ruhan | bagde | 1984-01-12 | ruhan.bagde@gmail.com |  +----+-----------+----------+------------+------------------------+ |
|  |
| 1. Display student information of the student*ID* is either 1, 2, 5 or 7. |
| mysql> select \* from student where id=1 or id=2 or id=5 or id=7;  +----+-----------+----------+------------+-------------------------+  | ID | namefirst | namelast | DOB | emailID |  +----+-----------+----------+------------+-------------------------+  | 1 | saleel | bagde | 1984-06-12 | saleel.bagde@gmail.com |  | 2 | omkar | rokde | 1969-10-25 | omkar.rakde@gmail.com |  | 5 | ruhan | bagde | 1984-01-12 | ruhan.bagde@gmail.com |  | 7 | sharmin | bagde | 1986-12-14 | sharmin.bagde@gmail.com |  +----+-----------+----------+------------+-------------------------+ |
|  |
| 1. List *namefirst*, *namelast*, and *emailID*ofstudentwhosestudentID is not5, 10, 15, display first 7 rows only. |
| mysql> select id,namefirst, namelast , emailid from student where id!=5 AND id!=10 AND id!=15  -> limit 7;  +----+-----------+----------+--------------------------+  | id | namefirst | namelast | emailid |  +----+-----------+----------+--------------------------+  | 1 | saleel | bagde | saleel.bagde@gmail.com |  | 2 | omkar | rokde | omkar.rakde@gmail.com |  | 3 | ulka | joshi | ulka.joshi@gmail.com |  | 4 | rahul | patil | rahul.patil@gmail.com |  | 6 | lala | prasad | lala.prasad@gmail.com |  | 7 | sharmin | bagde | sharmin.bagde@gmail.com |  | 8 | vrushali | bagde | vrushali.bagde@gmail.com |  +----+-----------+----------+--------------------------+ |
|  |
| 1. List first two faculty details only. |
| mysql> select \* from faculty limit 2;  +----+-----------+----------+------------+------------------------+  | ID | namefirst | namelast | DOB | emailID |  +----+-----------+----------+------------+------------------------+  | 1 | prachi | gupta | 1974-06-12 | prachi.gupta@gmail.com |  | 2 | ketan | shukla | 1972-10-25 | ketan.shukla@gmail.com |  +----+-----------+----------+------------+------------------------+ |
|  |
| 1. List all student\_phone numberin ascending order of phone number. |
| mysql> select \* from student\_phone order by number;  +----+-----------+------------+----------+  | ID | studentID | number | isActive |  +----+-----------+------------+----------+  | 5 | 5 | 7032300001 | 1 |  | 25 | 5 | 7032300001 | 1 |  | 18 | 18 | 7032300011 | 1 |  | 14 | 14 | 7032300013 | 1 |  | 16 | 16 | 7032300023 | 1 |  | 4 | 4 | 7032300027 | 1 |  | 1 | 1 | 7032300034 | 1 |  | 2 | 2 | 7032300039 | 1 |  | 12 | 12 | 7032300042 | 1 |  | 3 | 3 | 7032300050 | 1 |  | 8 | 8 | 7032300054 | 1 |  | 13 | 13 | 7032300055 | 1 |  | 9 | 9 | 7032300059 | 1 |  | 19 | 19 | 7032300066 | 1 |  | 6 | 6 | 7032300079 | 1 |  | 7 | 7 | 7032300081 | 1 |  | 11 | 11 | 7032300082 | 1 |  | 17 | 17 | 7032300084 | 1 |  | 10 | 10 | 7032300086 | 1 |  | 20 | 20 | 7032300096 | 1 |  | 15 | 15 | 7032300099 | 1 |  | 24 | 4 | 7132300027 | 1 |  | 21 | 1 | 7132300034 | 1 |  | 22 | 2 | 7132300039 | 1 |  | 32 | 12 | 7132300042 | 0 |  | 23 | 3 | 7132300050 | 1 |  | 28 | 8 | 7132300054 | 0 |  | 33 | 13 | 7132300055 | 0 |  | 34 | 13 | 7132300055 | 0 |  | 35 | 13 | 7132300055 | 1 |  | 29 | 9 | 7132300059 | 0 |  | 26 | 6 | 7132300079 | 1 |  | 27 | 7 | 7132300081 | 0 |  | 31 | 11 | 7132300082 | 0 |  | 30 | 10 | 7132300086 | 0 |  | 36 | 6 | 7134567123 | 0 |  | 41 | 25 | 7146566412 | 1 |  | 39 | 23 | 7156563423 | 0 |  | 37 | 21 | 7156567123 | 1 |  | 38 | 22 | 7156567134 | 1 |  | 40 | 24 | 7156567183 | 0 |  +----+-----------+------------+----------+ |
|  |
| 1. Display the *student\_address* whose studentID is either 2, 4, 6 or 10 in descending order of studentID. |
| mysql> select \* from student\_address where id=2 or id=4 or id=6 or id=10 order by studentid desc;  +----+-----------+-------------------------------------------------------------+  | ID | studentID | address |  +----+-----------+-------------------------------------------------------------+  | 10 | 10 | 7710 Covington Rd , New State Road, New York, 37188 |  | 6 | 6 | 165 Village Dr., P.O. Box 3700, Oakland, TN, Oakland, 38060 |  | 4 | 4 | 7720 Covington Rd, Pink Stand, TN, San Francisco, 37188 |  | 2 | 2 | 2263 Ga 17 Hwy N, Millen, GA, Atlanta, 30442 |  +----+-----------+-------------------------------------------------------------+ |