Assignment

DBT/ 004

Database Technologies

Diploma in Advance Computing

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

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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| --- |
| * List all students. |
| 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 |  +----+-----------+----------+------------+--------------------------+  28 rows in set (0.18 sec)  mysql> select namefirst, namelast from student;  +-----------+----------+  | namefirst | namelast |  +-----------+----------+  | saleel | bagde |  | omkar | rokde |  | ulka | joshi |  | rahul | patil |  | ruhan | bagde |  | lala | prasad |  | sharmin | bagde |  | vrushali | bagde |  | vasant | khande |  | nitish | patil |  | neel | save |  | deep | save |  | nrupali | save |  | supriya | karnik |  | bandish | karnik |  | sangita | karnik |  | sangita | menon |  | rahul | shah |  | bhavin | patel |  | kaushal | patil |  | pankaj | gandhi |  | rajan | patel |  | bhavin | patel |  | mukesh | bhavsar |  | dilu | khande |  | sonam | khan |  | rohit | patil |  | raj | bubber |  +-----------+----------+  28 rows in set (0.00 sec) |
|  |
| * List *namefirst*, *namelast* of all students in ascending order of *namefirst*. |
| mysql> select namefirst, namelast from student order by namefirst;  +-----------+----------+  | 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 |  +-----------+----------+  28 rows in set (0.00 sec) |
|  |
| * List *namefirst*, *namelast*, *DOB*, and *emailed* for the first 5 students. |
| mysql> select namefirst, namelast, DOB, emailid from student limit 5;  +-----------+----------+------------+------------------------+  | namefirst | namelast | DOB | emailid |  +-----------+----------+------------+------------------------+  | saleel | bagde | 1984-06-12 | saleel.bagde@gmail.com |  | omkar | rokde | 1969-10-25 | omkar.rakde@gmail.com |  | ulka | joshi | 1970-10-25 | ulka.joshi@gmail.com |  | rahul | patil | 1982-10-31 | rahul.patil@gmail.com |  | ruhan | bagde | 1984-01-12 | ruhan.bagde@gmail.com |  +-----------+----------+------------+------------------------+  5 rows in set (0.00 sec) |
|  |
| * Display student information of the student*ID* is 1, 2, 5 or 7. |
| mysql> select namefirst, namelast, DOB, emailid from student where id in(1,2,5,7);  +-----------+----------+------------+-------------------------+  | namefirst | namelast | DOB | emailid |  +-----------+----------+------------+-------------------------+  | saleel | bagde | 1984-06-12 | saleel.bagde@gmail.com |  | omkar | rokde | 1969-10-25 | omkar.rakde@gmail.com |  | ruhan | bagde | 1984-01-12 | ruhan.bagde@gmail.com |  | sharmin | bagde | 1986-12-14 | sharmin.bagde@gmail.com |  +-----------+----------+------------+-------------------------+  4 rows in set (0.00 sec) |
|  |
| * List *namefirst*, *namelast*, and *emailed* of student whose studentID is not 5, 10, 15, display first 7 rows only. |
| mysql> select namefirst, namelast, DOB, emailid from student where id not in(5,10,15) limit 7;  +-----------+----------+------------+--------------------------+  | namefirst | namelast | DOB | emailid |  +-----------+----------+------------+--------------------------+  | saleel | bagde | 1984-06-12 | saleel.bagde@gmail.com |  | omkar | rokde | 1969-10-25 | omkar.rakde@gmail.com |  | ulka | joshi | 1970-10-25 | ulka.joshi@gmail.com |  | rahul | patil | 1982-10-31 | rahul.patil@gmail.com |  | lala | prasad | 1980-12-01 | lala.prasad@gmail.com |  | sharmin | bagde | 1986-12-14 | sharmin.bagde@gmail.com |  | vrushali | bagde | 1984-12-29 | vrushali.bagde@gmail.com |  +-----------+----------+------------+--------------------------+  7 rows in set (0.03 sec) |
|  |
| * 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 |  +----+-----------+----------+------------+------------------------+  2 rows in set (0.02 sec) |
|  |
| * List all student\_phone number in ascending order of phone number. |
| mysql> select number from student\_phone order by number;  +------------+  | number |  +------------+  | 7032300001 |  | 7032300001 |  | 7032300011 |  | 7032300013 |  | 7032300023 |  | 7032300027 |  | 7032300034 |  | 7032300039 |  | 7032300042 |  | 7032300050 |  | 7032300054 |  | 7032300055 |  | 7032300059 |  | 7032300066 |  | 7032300079 |  | 7032300081 |  | 7032300082 |  | 7032300084 |  | 7032300086 |  | 7032300096 |  | 7032300099 |  | 7132300027 |  | 7132300034 |  | 7132300039 |  | 7132300042 |  | 7132300050 |  | 7132300054 |  | 7132300055 |  | 7132300055 |  | 7132300055 |  | 7132300059 |  | 7132300079 |  | 7132300081 |  | 7132300082 |  | 7132300086 |  | 7134567123 |  | 7146566412 |  | 7156563423 |  | 7156567123 |  | 7156567134 |  | 7156567183 |  +------------+  41 rows in set (0.03 sec) |
|  |
| * Display the *student\_address* whose studentID is 2, 4, 6 or 10 in descending order of studentID. |
| mysql> select id, address from student\_address where id in(2,4,6,10) order by id desc;  +----+-------------------------------------------------------------+  | id | address |  +----+-------------------------------------------------------------+  | 10 | 7710 Covington Rd , New State Road, New York, 37188 |  | 6 | 165 Village Dr., P.O. Box 3700, Oakland, TN, Oakland, 38060 |  | 4 | 7720 Covington Rd, Pink Stand, TN, San Francisco, 37188 |  | 2 | 2263 Ga 17 Hwy N, Millen, GA, Atlanta, 30442 |  +----+-------------------------------------------------------------+  4 rows in set (0.00 sec) |