Assignment

Aug/ DBT/ 003

Database Technologies

Diploma in Advance Computing

August 2024

**DML commands: Select data with WHERE 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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| --- |
| 1. List all courses. |
| **mysql> select \* from course;**  **+----+---------+----------+------------------------------------+**  **| ID | name | duration | summery |**  **+----+---------+----------+------------------------------------+**  **| 1 | PG-DAC | 6 | This course is designed by CDAC |**  **| 2 | DBDA | 6 | This course is designed by CDAC |**  **| 3 | Pre-DAC | 2 | This course is designed by CDAC |**  **| 4 | JAVA | 3 | This course is designed by IET |**  **| 5 | .NET | 3 | This course is designed by Infoway |**  **| 6 | DMC | 6 | This course is designed by CDAC |**  **| 7 | DSSD | 6 | This course is designed by CDAC |**  **+----+---------+----------+------------------------------------+** |
|  |
| 1. List *namefirst, namelast*of all student. |
| 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 |  +-----------+----------+ |
|  |
| 1. List *namefirst, namelast,DOB* and *emailID* of all students. |
| mysql> select namefirst, namelast,dob, emailid from student;  +-----------+----------+------------+--------------------------+  | 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 |  | 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 |  | vasant | khande | 1992-10-26 | vasant.khande@gmail.com |  | nitish | patil | 1990-10-26 | nitish.patil@gmail.com |  | neel | save | 1975-10-30 | neel.save@gmail.com |  | deep | save | 1986-11-30 | deep.save@gmail.com |  | nrupali | save | 1981-12-01 | nrupali.save@gmail.com |  | supriya | karnik | 1983-12-15 | supriya.karnik@gmail.com |  | bandish | karnik | 1987-12-30 | bandish.karnik@gmail.com |  | sangita | karnik | 1990-12-01 | sangita.karnik@gmail.com |  | sangita | menon | 1989-10-26 | sangita.menon@gmail.com |  | rahul | shah | 1982-06-12 | rahul.shah@gmail.com |  | bhavin | patel | 1983-11-13 | bhavin.patel@gmail.com |  | kaushal | patil | 1982-07-30 | kaushal.patil@gmail.com |  | pankaj | gandhi | 1982-07-30 | pankaj.gandhi@gmail.com |  | rajan | patel | 1982-07-30 | rajan.patel@gmail.com |  | bhavin | patel | 1982-07-30 | bhavin.patel@gmail.com |  | mukesh | bhavsar | 1982-07-30 | mukesh.bhavsar@gmail.com |  | dilu | khande | 1982-07-30 | dilu.khande@gmail.com |  | sonam | khan | 1972-05-13 | sonam.khan@gmail.com |  | rohit | patil | 1976-12-31 | rohit.patil@gmail.com |  | raj | bubber | 1982-02-28 | raj.bubber@gmail.com |  +-----------+----------+------------+--------------------------+ |
|  |
| 1. Display student information of the *ID* is 15. |
| mysql> select \* from student where id=15;  +----+-----------+----------+------------+--------------------------+  | ID | namefirst | namelast | DOB | emailID |  +----+-----------+----------+------------+--------------------------+  | 15 | bandish | karnik | 1987-12-30 | bandish.karnik@gmail.com |  +----+-----------+----------+------------+--------------------------+ |
|  |
| 1. List *namefirst*, *namelast*, and *emailID*ofstudentwhose*student namefirst*is ‘Nitish’. |
| mysql> SELECT namefirst, namelast, emailID FROM student WHERE namefirst = 'Nitish';  +-----------+----------+------------------------+  | namefirst | namelast | emailID |  +-----------+----------+------------------------+  | nitish | patil | nitish.patil@gmail.com |  +-----------+----------+------------------------+ |
|  |
| 1. List all students having *ID*greater than equal to 12. |
| mysql> select \* from student where id>=12;  +----+-----------+----------+------------+--------------------------+  | ID | namefirst | namelast | DOB | emailID |  +----+-----------+----------+------------+--------------------------+  | 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 *all student details*whose DOB is ‘1980-12-01’ |
| mysql> select \* from student where dob='1980-12-01';  +----+-----------+----------+------------+-----------------------+  | ID | namefirst | namelast | DOB | emailID |  +----+-----------+----------+------------+-----------------------+  | 6 | lala | prasad | 1980-12-01 | lala.prasad@gmail.com |  +----+-----------+----------+------------+-----------------------+ |
|  |
| 1. Display the phone details where student ID is 5; |
| mysql> select \* from student\_phone where id=5;  +----+-----------+------------+----------+  | ID | studentID | number | isActive |  +----+-----------+------------+----------+  | 5 | 5 | 7032300001 | 1 |  +----+-----------+------------+----------+ |
|  |
| 1. List studentaddress whosestudent ID is 10. |
| mysql> select \* from student\_address where id=10;  +----+-----------+-----------------------------------------------------+  | ID | studentID | address |  +----+-----------+-----------------------------------------------------+  | 10 | 10 | 7710 Covington Rd , New State Road, New York, 37188 |  +----+-----------+-----------------------------------------------------+ |
|  |
| 1. List all faculty details. |
| mysql> select \* from faculty;  +----+-----------+----------+------------+------------------------+  | 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 |  | 3 | kiran | dev | 1971-10-25 | kiran.dev@gmail.com |  | 4 | parag | patil | 1972-10-31 | parag.patil@gmail.com |  | 5 | raju | patil | 1972-02-12 | raju.patil@gmail.com |  +----+-----------+----------+------------+------------------------+ |
|  |
| 1. List all phone number whose faculty ID is 2. |
| mysql> select number from faculty\_phone where id=2;  +------------+  | number |  +------------+  | 7032300039 |  +------------+ |
|  |
| 1. List all phone number whose student ID is 13. |
| mysql> select number from student\_phone where id=13;  +------------+  | number |  +------------+  | 7032300055 |  +------------+ |
|  |
| 1. List all modules. |
| mysql> select \* from modules;  +----+---------------------------+----------+  | ID | name | duration |  +----+---------------------------+----------+  | 1 | Oracle | 1 |  | 2 | PHP | 1 |  | 3 | MySQL | 1 |  | 4 | Node | 1 |  | 5 | C++ | 1 |  | 6 | C | 1 |  | 7 | JAVA1 | 2 |  | 8 | JAVA2 | 2 |  | 9 | MongoDB | 1 |  | 10 | NET | 2 |  | 11 | Hive | 1 |  | 12 | Python | 1 |  | 13 | Aptitude | 1 |  | 14 | OOPs with C++ Programming | 6 |  | 15 | Data Structures | 6 |  | 16 | OS Concepts | 6 |  | 17 | iOS Programming | 6 |  +----+---------------------------+----------+ |
|  |
| 1. List thecourse\_modules whose courseID is 1. |
| mysql> select \* from course\_modules where courseid=1;  +----+----------+----------+  | ID | courseID | moduleID |  +----+----------+----------+  | 1 | 1 | 1 |  | 2 | 1 | 2 |  | 3 | 1 | 3 |  | 4 | 1 | 4 |  | 5 | 1 | 5 |  | 6 | 1 | 6 |  | 7 | 1 | 7 |  | 8 | 1 | 8 |  | 9 | 1 | 9 |  +----+----------+----------+ |
|  |
| 1. Display all course\_batches who’s sitting capacity is 80. |
| mysql> select \* from course\_batches where capacity="80";  +----+---------+----------+------------+------------+----------+  | ID | name | courseID | starton | endson | capacity |  +----+---------+----------+------------+------------+----------+  | 1 | Batch1 | 1 | 2016-02-01 | 2016-08-31 | 80 |  | 6 | Batch6 | 1 | 2015-02-01 | 2015-08-31 | 80 |  | 11 | Batch11 | 1 | 2017-08-01 | 2018-02-28 | 80 |  | 16 | Batch16 | 1 | 2014-08-01 | 2015-02-28 | 80 |  | 21 | Batch21 | 1 | 2015-08-01 | 2016-02-28 | 80 |  +----+---------+----------+------------+------------+----------+ |
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