Assignment

DBT/ 003

Database Technologies

Diploma in Advance Computing

**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.

|  |
| --- |
| * 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 |  +----+---------+----------+------------------------------------+  7 rows in set (0.03 sec)  mysql> select name from course;  +---------+  | name |  +---------+  | PG-DAC |  | DBDA |  | Pre-DAC |  | JAVA |  | .NET |  | DMC |  | DSSD |  +---------+  7 rows in set (0.00 sec) |
|  |
| * List *namefirst, namelast* of 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 (0.00 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, 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 |  +-----------+----------+------------+--------------------------+  28 rows in set (0.00 sec) |
|  |
| * Display student information of the *ID* is 15. |
| mysql> select ID, namefirst, namelast,DOB, emailID from student where id=15;  +----+-----------+----------+------------+--------------------------+  | ID | namefirst | namelast | DOB | emailID |  +----+-----------+----------+------------+--------------------------+  | 15 | bandish | karnik | 1987-12-30 | bandish.karnik@gmail.com |  +----+-----------+----------+------------+--------------------------+  1 row in set (0.00 sec) |
|  |
| * List *namefirst*, *namelast*, and *emailed* of student whose *student namefirst* is ‘Nitish’. |
| mysql> select ID, namefirst, namelast,DOB, emailID from student where namefirst='nitish';  +----+-----------+----------+------------+------------------------+  | ID | namefirst | namelast | DOB | emailID |  +----+-----------+----------+------------+------------------------+  | 10 | nitish | patil | 1990-10-26 | nitish.patil@gmail.com |  +----+-----------+----------+------------+------------------------+  1 row in set (0.00 sec) |
|  |
| * List all students having *ID* greater than equal to 12. |
| mysql> select ID, namefirst, namelast,DOB, emailID 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 |  +----+-----------+----------+------------+--------------------------+  17 rows in set (0.00 sec) |
|  |
| * List *all student details* whose DOB is ‘1980-12-01’ |
| select ID, namefirst, namelast,DOB, emailID from student where DOB='1980-12-01';  +----+-----------+----------+------------+-----------------------+  | ID | namefirst | namelast | DOB | emailID |  +----+-----------+----------+------------+-----------------------+  | 6 | lala | prasad | 1980-12-01 | lala.prasad@gmail.com |  +----+-----------+----------+------------+-----------------------+  1 row in set (0.00 sec) |
|  |
| * Display the phone details where student ID is 5; |
| mysql> select \* from student\_phone;  +----+-----------+------------+----------+  | ID | studentID | number | isActive |  +----+-----------+------------+----------+  | 1 | 1 | 7032300034 | 1 |  | 2 | 2 | 7032300039 | 1 |  | 3 | 3 | 7032300050 | 1 |  | 4 | 4 | 7032300027 | 1 |  | 5 | 5 | 7032300001 | 1 |  | 6 | 6 | 7032300079 | 1 |  | 7 | 7 | 7032300081 | 1 |  | 8 | 8 | 7032300054 | 1 |  | 9 | 9 | 7032300059 | 1 |  | 10 | 10 | 7032300086 | 1 |  | 11 | 11 | 7032300082 | 1 |  | 12 | 12 | 7032300042 | 1 |  | 13 | 13 | 7032300055 | 1 |  | 14 | 14 | 7032300013 | 1 |  | 15 | 15 | 7032300099 | 1 |  | 16 | 16 | 7032300023 | 1 |  | 17 | 17 | 7032300084 | 1 |  | 18 | 18 | 7032300011 | 1 |  | 19 | 19 | 7032300066 | 1 |  | 20 | 20 | 7032300096 | 1 |  | 21 | 1 | 7132300034 | 1 |  | 22 | 2 | 7132300039 | 1 |  | 23 | 3 | 7132300050 | 1 |  | 24 | 4 | 7132300027 | 1 |  | 25 | 5 | 7032300001 | 1 |  | 26 | 6 | 7132300079 | 1 |  | 27 | 7 | 7132300081 | 0 |  | 28 | 8 | 7132300054 | 0 |  | 29 | 9 | 7132300059 | 0 |  | 30 | 10 | 7132300086 | 0 |  | 31 | 11 | 7132300082 | 0 |  | 32 | 12 | 7132300042 | 0 |  | 33 | 13 | 7132300055 | 0 |  | 34 | 13 | 7132300055 | 0 |  | 35 | 13 | 7132300055 | 1 |  | 36 | 6 | 7134567123 | 0 |  | 37 | 21 | 7156567123 | 1 |  | 38 | 22 | 7156567134 | 1 |  | 39 | 23 | 7156563423 | 0 |  | 40 | 24 | 7156567183 | 0 |  | 41 | 25 | 7146566412 | 1 |  +----+-----------+------------+----------+  41 rows in set (0.00 sec)  mysql> select studentid, number from student\_phone where studentid =5;  +-----------+------------+  | studentid | number |  +-----------+------------+  | 5 | 7032300001 |  | 5 | 7032300001 |  +-----------+------------+  2 rows in set (0.02 sec) |
|  |
| * List student address whose student ID is 10. |
| mysql> select \* from student\_address;  +----+-----------+-------------------------------------------------------------------+  | ID | studentID | address |  +----+-----------+-------------------------------------------------------------------+  | 1 | 1 | 13758 Dogwood, St, Trona, CA, Los Angeles, 93562 |  | 2 | 2 | 2263 Ga 17 Hwy N, Millen, GA, Atlanta, 30442 |  | 3 | 3 | 409 Berry St, Louisa, KY, San Jose, 41230 |  | 4 | 4 | 7720 Covington Rd, Pink Stand, TN, San Francisco, 37188 |  | 5 | 5 | 15 Hempstead, St, Saugus, MA, Las Vega, 1906 |  | 6 | 6 | 165 Village Dr., P.O. Box 3700, Oakland, TN, Oakland, 38060 |  | 7 | 7 | Po Box 83, Faith, NC, New Jersey, 28041 |  | 8 | 8 | 3402 Buccaneer Rose Ave, Bakersfield, CA, Boston, 93313 |  | 9 | 9 | Po Box 77, Linking Road, UK |  | 10 | 10 | 7710 Covington Rd , New State Road, New York, 37188 |  | 11 | 11 | 15 Hempstead St, Saugus, MA, Boston, 1906 |  | 12 | 12 | 165 Ken city, P.O. Box 942873, 50 Higuera Street, Oakland, 38060 |  | 13 | 13 | Po Box 83, Faith, NC, null, New York, 28041 |  | 14 | 14 | 808 Rocky Hill Rd, Plymouth 1993 Cross lane, Boston, 32360 |  | 15 | 15 | 118 Lippitt Ave Warwick, 100 S. Main Street, Los Angeles, 12889 |  | 16 | 16 | 5973 Moon Shadow Dr. Herriman, null, Atlanta, 2345 |  | 17 | 17 | 13758 Dogwood St, Trona, null, San Jose, 93562 |  | 18 | 18 | 2263 Ga 17 Hwy N, Millen, null, Las Vega, 30442 |  | 19 | 19 | 321/vimal park, karve road, pune, 411038 |  | 20 | 20 | Prashant Society, Kothrud, pune, 411038 |  | 21 | 21 | 8 vaibhav, Ishadan soc, paud road, Pune |  | 22 | 22 | 9 vaibhav, Ishadan soc, paud road, Pune |  | 23 | 23 | 10 vaibhav, Ishadan soc, paud road, Pune |  | 24 | 24 | 4 vaibhav, Ishadan soc, paud road, Pune |  | 25 | 25 | 7 vaibhav, Ishadan soc, paud road, Pune |  | 26 | 26 | 19 Hempstead St, go streat, MG, Boston, 19077 |  | 27 | 27 | 1699 Ken city, P.O. Box 942873, 50 Higuera Street, Oakland, 38060 |  | 28 | 28 | Po Box 87, Faith, NC, New York, 28045 |  +----+-----------+-------------------------------------------------------------------+  28 rows in set (0.00 sec)  mysql> select studentid, address from student\_address where studentid=10;  +-----------+-----------------------------------------------------+  | studentid | address |  +-----------+-----------------------------------------------------+  | 10 | 7710 Covington Rd , New State Road, New York, 37188 |  +-----------+-----------------------------------------------------+  1 row in set (0.02 sec) |
|  |
| * 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 |  +----+-----------+----------+------------+------------------------+  4 rows in set (0.00 sec) |
|  |
| * List all phone number whose faculty ID is 2. |
| mysql> select \* from faculty\_phone;  +----+-----------+------------+  | ID | facultyID | number |  +----+-----------+------------+  | 1 | 1 | 7032300034 |  | 2 | 2 | 7032300039 |  | 3 | 3 | 7032300050 |  | 4 | 4 | 7032300027 |  | 5 | 1 | 7032301201 |  | 6 | 2 | 7032303479 |  | 7 | 3 | 7032306781 |  | 8 | 4 | 7032390234 |  | 9 | 3 | 7134567123 |  +----+-----------+------------+  9 rows in set (0.02 sec)  mysql> select facultyid,number from faculty\_phone where facultyid=2;  +-----------+------------+  | facultyid | number |  +-----------+------------+  | 2 | 7032300039 |  | 2 | 7032303479 |  +-----------+------------+  2 rows in set (0.00 sec) |
|  |
| * List all phone number whose student ID is 13. |
| mysql> select studentid, number from student\_phone where studentid=13;  +-----------+------------+  | studentid | number |  +-----------+------------+  | 13 | 7032300055 |  | 13 | 7132300055 |  | 13 | 7132300055 |  | 13 | 7132300055 |  +-----------+------------+  4 rows in set (0.00 sec) |
|  |
| * 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 |  +----+---------------------------+----------+  17 rows in set (0.02 sec) |
|  |
| * List the course\_modules whose courseID is 1. |
| mysql> select id, name from modules where id=1;  +----+--------+  | id | name |  +----+--------+  | 1 | Oracle |  +----+--------+  1 row in set (0.00 sec) |
|  |
| * Display all course\_batches whose sitting capacity is 80. |
| mysql> select\* from course\_batches  -> ;  +----+---------+----------+------------+------------+----------+  | ID | name | courseID | starton | endson | capacity |  +----+---------+----------+------------+------------+----------+  | 1 | Batch1 | 1 | 2016-02-01 | 2016-08-31 | 80 |  | 2 | Batch2 | 2 | 2016-02-01 | 2016-08-31 | 30 |  | 3 | Batch3 | 3 | 2016-02-01 | 2016-03-31 | 35 |  | 4 | Batch4 | 4 | 2016-07-01 | 2016-09-30 | 25 |  | 5 | Batch5 | 5 | 2016-07-01 | 2016-09-30 | 25 |  | 6 | Batch6 | 1 | 2015-02-01 | 2015-08-31 | 80 |  | 7 | Batch7 | 2 | 2015-02-01 | 2015-08-31 | 30 |  | 8 | Batch8 | 3 | 2017-04-01 | 2017-05-31 | 30 |  | 9 | Batch9 | 4 | 2018-07-01 | 2018-09-30 | 25 |  | 10 | Batch10 | 5 | 2018-09-01 | 2018-11-30 | 25 |  | 11 | Batch11 | 1 | 2017-08-01 | 2018-02-28 | 80 |  | 12 | Batch12 | 2 | 2017-08-01 | 2018-02-28 | 30 |  | 13 | Batch13 | 3 | 2017-07-01 | 2017-08-31 | 30 |  | 14 | Batch14 | 4 | 2018-05-01 | 2018-07-31 | 25 |  | 15 | Batch15 | 5 | 2018-06-01 | 2018-08-30 | 25 |  | 16 | Batch16 | 1 | 2014-08-01 | 2015-02-28 | 80 |  | 17 | Batch17 | 2 | 2014-08-01 | 2015-02-28 | 30 |  | 18 | Batch18 | 3 | 2018-03-01 | 2018-04-30 | 35 |  | 19 | Batch19 | 4 | 2019-01-01 | 2019-03-30 | 25 |  | 20 | Batch20 | 5 | 2018-12-01 | 2019-02-28 | 25 |  | 21 | Batch21 | 1 | 2015-08-01 | 2016-02-28 | 80 |  | 22 | Batch22 | 2 | 2015-08-01 | 2016-02-28 | 30 |  | 23 | Batch23 | 3 | 2019-03-01 | 2019-04-30 | 40 |  | 24 | Batch24 | 4 | 2019-01-01 | 2019-03-30 | 30 |  | 25 | Batch25 | 6 | 2019-01-01 | 2019-03-30 | 30 |  +----+---------+----------+------------+------------+----------+  25 rows in set (0.02 sec)  mysql> select name, capacity from course\_batches where capacity=80;  +---------+----------+  | name | capacity |  +---------+----------+  | Batch1 | 80 |  | Batch6 | 80 |  | Batch11 | 80 |  | Batch16 | 80 |  | Batch21 | 80 |  +---------+----------+  5 rows in set (0.00 sec) |
|  |