Assignment

Aug24/ DBT/ 008

Database Technologies

Diploma in Advance Computing

August 2024

**Joins**

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. Display all *student and with their address* from *student* and *student\_address tables*. |
| mysql> select student.id,student.namefirst,student\_address.address from student join student\_address on student.id=student\_address.studentID;  +----+-----------+-------------------------------------------------------------------+  | id | namefirst | address |  +----+-----------+-------------------------------------------------------------------+  | 1 | saleel | 13758 Dogwood, St, Trona, CA, Los Angeles, 93562 |  | 2 | omkar | 2263 Ga 17 Hwy N, Millen, GA, Atlanta, 30442 |  | 3 | ulka | 409 Berry St, Louisa, KY, San Jose, 41230 |  | 4 | rahul | 7720 Covington Rd, Pink Stand, TN, San Francisco, 37188 |  | 5 | ruhan | 15 Hempstead, St, Saugus, MA, Las Vega, 1906 |  | 6 | lala | 165 Village Dr., P.O. Box 3700, Oakland, TN, Oakland, 38060 |  | 7 | sharmin | Po Box 83, Faith, NC, New Jersey, 28041 |  | 8 | vrushali | 3402 Buccaneer Rose Ave, Bakersfield, CA, Boston, 93313 |  | 9 | vasant | Po Box 77, Linking Road, UK |  | 10 | nitish | 7710 Covington Rd , New State Road, New York, 37188 |  | 11 | neel | 15 Hempstead St, Saugus, MA, Boston, 1906 |  | 12 | deep | 165 Ken city, P.O. Box 942873, 50 Higuera Street, Oakland, 38060 |  | 13 | nrupali | Po Box 83, Faith, NC, null, New York, 28041 |  | 14 | supriya | 808 Rocky Hill Rd, Plymouth 1993 Cross lane, Boston, 32360 |  | 15 | bandish | 118 Lippitt Ave Warwick, 100 S. Main Street, Los Angeles, 12889 |  | 16 | sangita | 5973 Moon Shadow Dr. Herriman, null, Atlanta, 2345 |  | 17 | sangita | 13758 Dogwood St, Trona, null, San Jose, 93562 |  | 18 | rahul | 2263 Ga 17 Hwy N, Millen, null, Las Vega, 30442 |  | 19 | bhavin | 321/vimal park, karve road, pune, 411038 |  | 20 | kaushal | Prashant Society, Kothrud, pune, 411038 |  | 21 | pankaj | 8 vaibhav, Ishadan soc, paud road, Pune |  | 22 | rajan | 9 vaibhav, Ishadan soc, paud road, Pune |  | 23 | bhavin | 10 vaibhav, Ishadan soc, paud road, Pune |  | 24 | mukesh | 4 vaibhav, Ishadan soc, paud road, Pune |  | 25 | dilu | 7 vaibhav, Ishadan soc, paud road, Pune |  | 26 | sonam | 19 Hempstead St, go streat, MG, Boston, 19077 |  | 27 | rohit | 1699 Ken city, P.O. Box 942873, 50 Higuera Street, Oakland, 38060 |  | 28 | raj | Po Box 87, Faith, NC, New York, 28045 |  +----+-----------+-------------------------------------------------------------------+ |
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| 1. Display *(namefirst, namelast, emailID, and student\_qualification details)* from *student* and student\_*qualification* relations. |
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| 1. Display *(namefirst, namelast, emailID, college, and university)* who have studied in 'Yale University'. *(Use student, and student\_qualification relation)* |
| mysql> select student.namefirst,student.namelast,student.emailID,student\_qualifications.college,student\_qualifications.university FROM student JOIN student\_qualifications ON student.id= student\_qualifications.studentID WHERE student\_qualifications.university = 'Yale University';  +-----------+----------+--------------------------+---------------+-----------------+  | namefirst | namelast | emailID | college | university |  +-----------+----------+--------------------------+---------------+-----------------+  | omkar | rokde | omkar.rakde@gmail.com | New York | Yale University |  | omkar | rokde | omkar.rakde@gmail.com | Arkansas | Yale University |  | ulka | joshi | ulka.joshi@gmail.com | Arizona | Yale University |  | rahul | patil | rahul.patil@gmail.com | New Hampshire | Yale University |  | ruhan | bagde | ruhan.bagde@gmail.com | Alabama | Yale University |  | vasant | khande | vasant.khande@gmail.com | Vermont | Yale University |  | nitish | patil | nitish.patil@gmail.com | Texas | Yale University |  | deep | save | deep.save@gmail.com | New Hampshire | Yale University |  | supriya | karnik | supriya.karnik@gmail.com | Idaho | Yale University |  | kaushal | patil | kaushal.patil@gmail.com | Iowa | Yale University |  | raj | bubber | raj.bubber@gmail.com | Iowa | Yale University |  +-----------+----------+--------------------------+---------------+-----------------+ |
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| 1. Display all student details his phone details and his qualification details. *(Use student, student\_phone and student\_qualification relation)* |
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| 1. Display *(studentID, namefirst, namelast, name, college, university, and marks)* whose name is ‘BE’.*(Use student, and student\_qualification relation)* |
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| 1. Display the module name and the duration of the module for the batch “Batch1”. |
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| 1. Display student information along with his batch details who have joined in “Batch1”. |
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| 1. Display module names for “PG-DAC” course. |
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| 1. Display *namefirst, namelast, and batch name for all students*. |
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| 1. Display *(namefirst, namelast, phone number, and emailid)* whose student ID is 13. |
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| 1. Display *(namefirst and count the total number of phones a student is having)* for all student. |
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| 1. Get student’s *(namefirst, namelast, DOB, address, name, college, university, marks, and year)*. |
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| 1. Get *(namefirst, namelast, emailID, phone number, and address)* whose faculty name is ‘ketan’. |
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| 1. Get*(course name and batch name)*for all courses. |
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| 1. Get all student details who have taken admission in ‘PG-DAC’ course. |
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| 1. Get all course details which had started on ‘2016-02-01’. |
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| 1. Get all course name and module names which are taught in ‘PG-DAC’ course. |
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| 1. Display how many modules are taught in each course. |
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| 1. Display the student detail who are ‘BE’ graduate. |
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| 1. Display all distinct course detail, where module for every course is designed. |
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| 1. Display studentID who have more than 2 phone numbers. |
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| 1. Display the courses where ‘JAVA1’ is taught. |
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| 1. Display all student who have taken admission in 6 months course. |
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| 1. Write a query to display the output in the following manner.   **'saleel', 'Aadhaar, Driving Licence, PAN, Voter ID, Passport, Debit, Credit'**  Arrange the data is ascending order of *nameFirst.* |
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| 1. Write a query to display the output in the following manner.   **'ruhan', 'DBDA, PG-DAC, Pre-DAC'** |
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