Assignment

Sep23/ DBT/ 009

Database Technologies

Diploma in Advance Computing

September 2023

**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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| * Display all *student and with their address* from *student* and *student\_address tables*. |
| select namefirst, namelast, address from student inner join student\_address on student.id=student\_address.id; |
| * Display *(namefirst, namelast, emailID, and student\_qualification details)* from *student* and student\_*qualification* relations. |
| select namefirst, namelast, emailid, name, university, college from student inner join student\_qualifications on student.id=student\_qualifications.id; |
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| * Display *(namefirst, namelast, emailID, college, and university)* who have studied in 'Yale University'. *(Use student, and student\_qualification relation)* |
| select namefirst, namelast, emailid, college, university from student join student\_qualifications on student.id=student\_qualifications.id where university='yale university'; |
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| * Display all student details his phone details and his qualification details. *(Use student, student\_phone and student\_qualification relation)* |
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| * Display *(studentID, namefirst, namelast, name, college, university, and marks)* whose name is ‘BE’.*(Use student, and student\_qualification relation)* |
| select studentid, namefirst, namelast, name, college, university, marks from student join student\_qualifications on student.id=student\_qualifications.id where name='be'; |
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| * Display the module name and the duration of the module for the batch “Batch1”. |
| select name as module\_name, duration from modules join batch\_students on modules.id=batch\_students.id where batchid=1; |
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| * Display student information along with his batch details who have joined in “Batch1”. |
| select \*, batchid from student join batch\_students on student.id=batch\_students.id where batchid=1; |
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| * Display module names for “PG-DAC” course. |
| select course.name as course, modules.name as module from modules join course on modules.id=course.id; |
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| * Display *namefirst, namelast, and batch name for all students*. |
| select namefirst, namelast, name as batch from student join course\_batches on student.id=course\_batches.id; |
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| * Display *(namefirst, namelast, phone number, and emailid)* whose student ID is 13. |
| select namefirst, namelast, emailid, number from student join student\_phone on student.id=student\_phone.id where studentid=13; |
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| * Display *(namefirst and count the total number of phones a student is having)* for all student. |
| select namefirst, namelast, count(distinct studentid) from student join student\_phone on student.id=student\_phone.id; |
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| * Get student’s *(namefirst, namelast, DOB, address, name, college, university, marks, and year)*. |
| select namefirst, namelast, dob, address, name, college, university, marks, year from student join student\_qualifications join student\_address on student.id=student\_qualifications.id=student\_address.id; |
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| * Get *(namefirst, namelast, emailID, phone number, and address)* whose faculty name is ‘ketan’. |
| select student.namefirst, student.namelast, student.emailid, number, address from student join student\_phone join student\_address join faculty on faculty.id=student.id=student\_phone.id=student\_address.id where faculty.namefirst='ketan'; |
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| * Get*(course name and batch name)*for all courses. |
| select course.name as course\_name, course\_batches.name as batch\_name from course join course\_batches on course.id=course\_batches.id; |
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| * Get all student details who have taken admission in ‘PG-DAC’ course. |
| select \*,course.name as course\_name from student join course on student.id=course.id where course.name='PG-DAC'; |
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| * Get all course details which had started on ‘2016-02-01’. |
| select \* from course join course\_batches on course.id=course\_batches.id where starton='2016-02-01'; |
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| * Get all course name and module names which are taught in ‘PG-DAC’ course. |
| select course.name as course, modules.name as module from course join modules on course.id=modules.id where course.name='PG-DAC; |
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| * Display how many modules are taught in each course. |
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| * Display the student detail who are ‘BE’ graduate. |
| select \* from student join student\_qualifications on student.id=student\_qualifications.id where student\_qualifications.name='be'; |
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| * Display all distinct course detail, where module for every course is designed. |
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| * Display studentID who have more than 2 phone numbers. |
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| * Display the courses where ‘JAVA1’ is taught. |
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| * Display all student who have taken admission in 6 months course. |
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| * 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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| * Write a query to display the output in the following manner.   **'ruhan', 'DBDA, PG-DAC, Pre-DAC'** |
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