Assignment

Feb19/ DBT/ 008

Database Technologies

Diploma in Advance Computing

February 2019

**Joins**

USE ***student\_phone, student\_address, faculty\_phone, faculty\_address, batch\_students, course\_batches, student\_qualifications, faculty\_qualifications, course\_modules, modules, faculty, student, course*** relation to solve the following queries.

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| 1. Display all *student and with their address* from *student* and *student\_address tables*. |
| Select \* from student, student\_address where student.ID = student\_address.studentID; |
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| 1. Display *(namefirst, namelast, emailID, and student\_qualification details)* from *student* and student\_*qualification* relations. |
| Select namefirst, namelast, emailID, student\_qualification.\* from student, student\_qualification where student.ID = student\_qualification. StudentID; |
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| 1. 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, student\_qualification where student.ID = student\_qualification. StudentID and university = '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)* |
| select \* from student, student\_phone, student\_qualification where student.ID = student\_qualification. StudentID and student.ID = student\_phone.studentID; |
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| 1. Display *(studentID, namefirst, namelast, name, college, university, and marks)* whose name is ‘BE’. *(Use student, and student\_qualification relation)* |
| select ID, namefirst, namelast, name, college, university, marks from student, student\_qualification where student.ID = student\_qualification.studentID; |
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| 1. Display the module name and the duration of the module from the batch “Batch1”. |
| select modules.name, modules.duration from modules, course\_modules, course\_batches where  modules.ID = course\_modules.moduleID and course\_modules.courseID = course\_batches.courseID and course\_batches.name='Batch1'; |
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| 1. Display *student information along with his batch details who have joined in “Batch1”.* |
| select \* from student, course\_batches, batch\_students where course\_batches.ID = batch\_students.batchID and batch\_students.studentID = student.ID and course\_batches.name = "Batch1" |
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| 1. Display module names for “PG-DAC” course. |
| select modules.name from course, modules, course\_modules where course.ID = course\_modules.courseID and course\_modules.moduleID = modules.ID and course.name='PG-DAC'; |
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| 1. Display *namefirst, namelast, and batch name for all students*. |
| select namefirst, namelast, course\_batches.name from course\_batches, batch\_students, student  where student.id = batch\_students.studentid and batch\_students.batchid = course\_batches.id; |
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| 1. Display *(firstname, lastname, phonenumber, and emailid)* of employeeid 14. |
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| 1. Display *(firstname and count the total number of phone an employee is having)* for all employees. |
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| 1. Get employee’s *(firstname, lastname,* *gender, phonenumber, and emailid)* whose employeeid is 14. |
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| 1. Get *(firstname, lastname, gender, and all department details)* of the employee 21. |
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| 1. Get *(employee id, firstname, lastname, gender, and all hobby name)* for all employees. |
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| 1. Get highest salary of the current employee. |
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| 1. Display employee details and his job history details for all employees. |
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| 1. Display *(employee id, firstname, lastname, gender, his previous employeer, fromdate, and todate)* for the employee whose id is 20. |
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| 1. Display *(employee id, firstname, lastname, gender, his/her employeer, fromdate, and todate)* who had previously worked under ‘leena’ |
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| 1. Get the first name, last name, department number and department name, for all employees for current department ID is 10 or 70. |
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| 1. Get all department details where no employees are working. |
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| 1. Get employee firstname and phone no employee id is 7. |
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| 1. Get employee details with hobbies. |
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| 1. Get the list of employees having hobby is ‘Running’ |
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| 1. Display all employee and address details who are staying in ‘New York’ city. |
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| 1. Display *employeeid, phonenumber, emailid, line1, line2*, and *city* (*from n2contact and n2address relation*). |
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| 1. Display *firstname, lastname, gender, line1, line2, city,* and *pin* whose *pin* starts with 3. |
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| 1. Get all employee details whose qualification is ‘M.Com.’. |
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| 1. Display all employee, qualification name, and grade whose grade is ‘A’ and has done ‘BE’. |
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| 1. Display all employee details and his qualification name, and stream who have done ‘arts’. |
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| 1. Display all employee details and his qualification name, and stream who have done ‘arts’ is 12th. |
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