ASSIGNMENT 8 - Subqueries

Follow the same formatting guidelines as the previous homework assignment.

YOU must use subqueries. Do not put any codes in your SQL statements. When pasting your results, just provide the first five rows of output if your result set exceeds five rows

Copy and paste the contents of student.txt into your SQLPlus session. Rename the tables such that they are all prefixed with the first five letters of your lastname such as sabze_student. Make sure that the tables (student, class and student_class) are all renamed properly before you continue. You don't need to paste anything from SQLPlus for this question.

Using a single SQL statement display fname, Iname of all the students who are taking **Database**Programming regardless of case.

SELECT fname, lname FROM mendoza_student WHERE ssn IN

(SELECT ssn FROM mendoza_student_class WHERE class_code IN

(SELECT class_code FROM mendoza_class WHERE LOWER(class_description) ='database rogramming'));

	FNAME	LNAME
	Abraham	Bennet
	Johnson	White
	Innes	del Castillo
Page	1 of 1	

Using a single SQL statement display all the rows from the **student_class** table where class description is not null

SELECT * FROM MENDOZA_STUDENT_CLASS WHERE CLASS_CODE IN
(SELECT CLASS_CODE FROM MENDOZA_CLASS WHERE CLASS_DESCRIPTION IS NOT NULL);

	SSN	CLASS_CODE
	409-56-7008	37
	172-32-1176	37
	712-45-1867	37
	998-72-3567	3
~	672-71-3249	3
	213-46-8915	32
	472-27-2349	32
	846-92-7186	32
	427-17-2319	34
	267-41-2394	34
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except John, Jack or Bob. and are taking the operating systems class and their phone number is null
SELECT fname, lname FROM MENDOZA_STUDENT WHERE fname NOT IN ('John', 'Jack', 'Bob') AND PHONE IS NULL AND SSN IN
(SELECT SSN FROM MENDOZA STUDENT CLASS WHERE CLASS CODE IN
(SELECT CLASS CODE FROM MENDOZA CLASS WHERE LOWER(CLASS DESCRIPTION) = 'operating systems'));
no rows selected
           SELECT fname, lname FROM MENDOZA STUDENT WHERE fname NOT IN ('John', 'Jack', 'Boo') AND PHONE IS NULL AND ssn IN
           (SELECT ssn FROM MENDOZA STUDENT CLASS WHERE CLASS CODE IN
           (SELECT CLASS CODE FROM MENDOZA CLASS WHERE LOWER (CLASS DESCRIPTION) = 'operating systems'));
 Script Output X Query Result X
 📌 🚇 🙀 🔯 SQL | All Rows Fetched: 0 in 0.036 seconds
            ∯ FNAME
                            ⊕ LNAME
4
               Using a single SQL statement display ssn, fname, Iname, age/2 of all the students whose first name
               begins with the letter J and age is greater than 25 and are taking any class that contains 'Intro' in its
               description (Have to convert the dob into a number). Order the results by age/2 in descending order. Use
               an alias for the order by clause
SELECT ssn, fname, TRUNC(MONTHS_BETWEEN(SYSDATE, dob) / 12) / 2 age
FROM mendoza student WHERE UPPER(fname) LIKE 'J%' AND TRUNC(MONTHS BETWEEN(SYSDATE, dob) / 12) > 25 AND ssn IN
(SELECT ssn FROM mendoza_student_class WHERE class_code IN
(SELECT class code FROM mendoza class WHERE UPPER(class description) LIKE '%INTRO%'))
ORDER BY age DESC;
        SELECT ssn, fname, TRUNC(MONTHS BETWEEN(SYSDATE, dob) / 12) / 2 age
          FROM mendoza student WHERE UPPER(fname) LIKE 'J%' AND TRUNC(MONTHS BETWEEN(SYSDA/TE, dob) / 12) > 25 AND ssn IN
            (SELECT ssn FROM mendoza student class WHERE class code IN
            (SELECT class code FROM mendoza class WHERE UPPER(class description) LIKE '%INTRO%'))
           ORDER BY age DESC;
            4.6
 Script Output × Query Result ×
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                              5
             Using a single SQL statement display fname, Iname from the student table where last name contains the
             letters 'nn' (e.g. Benny, Bonny, Sonny) and is enrolled in any class that contains the letter 'h' in its
             description regardless of case. Order the results by Iname. When using order by use the position and not
             the name of the column
       SELECT ssn, fname, lname, TRUNC(MONTHS_BETWEEN(SYSDATE, dob) / 12) / 2 age
           FROM mendoza_student WHERE UPPER(fname) LIKE 'J%' AND TRUNC(MONTHS_BETWEEN(SYSDATE, dob) / 12) > 25 AND ssn IN
           (SELECT ssn FROM mendoza student class WHERE class code IN
           (SELECT class_code FROM mendoza_class WHERE UPPER(class_description) LIKE '%INTRO%'))
           ORDER BY age DESC;
 Script Output X Query Result X
 📌 🚇 🙀 🗽 SQL | All Rows Fetched: 0 in 0.036 seconds
            ∯ SSN

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