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Dallen Sandstrom
SQL Assignment 3

1.
SELECT firstName AS "FIRSTNAME", lastName AS "LASTNAME", phone AS "PHONE",
To_Char(sectionStartDate, 'Mon DD YYYY HH:MI') AS "SECTIONSTARTTIME",
courseID AS "COUSRSEID", state AS "ST", city as "CITY"
FROM Professor p
INNER JOIN Sections s
ON p.professorID = s.professorID
WHERE state = 'Denver'
AND city = 'CO'
AND sectionStartDate >= To_Date('Sep 01 2020', 'Mon DD YYYY')
AND sectionStartDate <= To_Date('Sep 30 2020', 'Mon DD YYYY')
ORDER BY sectionStartDate, firstName, lastName;

2.
SELECT firstName AS "FIRSTNAME", lastName AS "LASTNAME", hireDate AS
"HIREDATE", locationID AS "LOCATIONID", sectionID AS "SECTIONID", Building
AS "BUILD", Room AS "ROOM", subjectCode AS "SUBJ", courseNumber AS "COURS"
FROM Professor p
INNER JOIN Sections s
ON p.professorID = s.professorID
INNER JOIN Location l
ON s.locationID = l.locationID
INNER JOIN Courses c
ON c.courseID = s.courseID
WHERE firstName = 'Juliet'
AND lastName = 'Olejniczak'
ORDER BY subjectCode, courseNumber, Room, sectionID;

3.
SELECT firstName AS "FIRSTNAME", lastName AS "LASTNAME",
To_Char(sectionStartDate, 'Mon DD YYYY HH:MI') AS "Section Start Date",
capacity AS "CAPACITY", subjectCode AS "SUBJ", courseNumber AS "COURS"
FROM professor p
INNER JOIN Sections s
ON p.professorID = s.professorID
INNER JOIN Courses c
ON c.courseID = s.courseID
WHERE capacity > 35
AND To_Char(sectionStartDate, 'YYYY') = '2018'
ORDER BY sectionStartDate DESC;

4.
SELECT firstName AS "FIRSTNAME", lastname AS "LASTNAME",
To_Char(registrationDate, 'MM-DD-YYYY HH:MI AM') AS "Registration Date",
sectionID AS "SECTIONID", state AS "ST"
FROM Students s
INNER JOIN Registration r
ON s.studentID = r.studentID
WHERE registrationDate > To_Date('Apr 14 2020 01:00 PM', 'Mon DD YYYY
HH:MI AM')
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AND registrationDate < To_Date('Apr 19 2020 11:59 PM', 'Mon DD YYYY HH:MI
AM')
AND (state = 'Utah'
OR state = 'Colorado'
OR state = 'Idaho')
ORDER BY registrationDate;

5.
SELECT firstName AS "FIRSTNAME", lastName AS "LASTNAME",
To_Char(registrationDate, 'Mon-DD-YYYY HH:MI AM') AS "Registration Date",
finalClassGrade AS "FINA"
FROM Students s
INNER JOIN Registration r
ON s.studentID = r.studentID
WHERE firstName LIKE 'J%'
AND lastName LIKE 'H%'
ORDER BY lastName, firstName;

6.
SELECT courseID AS "COURSEID", locationID AS "LOCATINID", Building AS
"BUILD" subjectCode AS "SUBJ", courseNumber AS "COURS",
To_Char(sectionStartTime, 'Mon DD YYYY HH:MI AM') AS "STARTSECTIONTIME"
FROM Sections s
INNER JOIN Location l
ON s.locationID = l.locationID
INNER JOIN Courses c
ON s.courseID = c.courseID
WHERE subjectCode = 'WEB'
AND sectionStartTime BETWEEN To_Date('Apr 01 2019 11:59 AM', 'Mon DD YYYY
HH:MI AM')
AND To_Date ('Dec 31 202019 11:59 PM', 'Mon DD YYYY HH:MI AM')
ORDER BY sectionStartTime;

7.
SELECT firstName AS "FIRSTNAME", lastName AS "LASTNAME",
To_Char(registrationDate, 'Mon DD YYYY HH:MI AM') AS "REGDATE", Phone AS
"PHONE", tuitionBalance AS "TUITIONBALANCE"
FROM Students s
INNER JOIN Registration r
ON s.studentID = r.studentID
WHERE sectionStartTime > To_Date('Jul 29 2020 10:00 PM', 'Mon DD YYYY
HH:MI AM')
AND tuitionBalance > 6000
ORDER BY lastName, firstName;

8.
SELECT firstName AS "FIRSTNAME", lastName AS "LASTNAME",
subjectDescription AS "SUBJECTDESCRIPTION", CourseID AS "COURSEID",
To_Char(registrationDate, 'Mon DD YYYY HH:MI AM') AS "DATEREGISTERED"
FROM Students s
INNER JOIN Registration r
ON s.studentID = r.studentID
INNER JOIN Sections s
ON  r.sectionID = s.sectionID
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INNER JOIN Courses c
ON c.courseID = s.courseID
WHERE subjectDescription = 'Anthropology'
ORDER BY courseNumber, registrationDate;
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9.
```sql
SELECT firstName AS "FIRSTNAME", lastName AS "LASTNAME",
subjectDescription AS "SUBJECTDESCRIPTION", courseNumber AS "COURS",
finalClassGrade AS "FINA"
FROM Students s
INNER JOIN Registration r
ON s.studentID = r.studentID
INNER JOIN Sections s
ON  r.sectionID = s.sectionID
INNER JOIN Courses c
ON c.courseID = s.courseID
WHERE subjectDescription = 'Web and User Experience'
AND courseNumber >= 3000
AND courseNumber <= 3200
AND finalClassGrade IN ('A',
'A-',
'B+',
'B')
ORDER BY courseNumber, finalClassGrade, lastName, firstName;
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10.
```sql
SELECT DISTINCT s.firstName AS "STUDENTFIRST", s.lastName AS
"STUDENTLAST", p.firstName AS "PROFESSORFIRST", p.lastName AS
"PROFESSORLAST", s.state AS "ST", s.city AS "CITY"
FROM Students s
INNER JOIN Registration r
ON s.studentID = r.studentID
INNER JOIN Sections s
ON  r.sectionID = s.sectionID
INNER JOIN Professor p
ON s.professorID = p.professorID
WHERE s.state = 'ID'
AND p.state = 'ID'
AND s.city = p.city;
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