```sql
1.
SELECT firstname, lastname, to_char(admissiondate, 'Mon DD YYYY HH:MI') AS
dateadmitted, city, street AS st, zip
FROM students
WHERE admissiondate =
    (SELECT MAX(admissiondate)
    FROM students)
ORDER BY lastname, firstname;
2.
SELECT coursedescription, coursenumber as cours, subjectcode as subj,
capacity, sectionID
FROM courses c
INNER JOIN sections s
ON s.courseID = c.courseID
WHERE sectionStartDate =
    (SELECT MAX(sectionStartDate)
    FROM sections)
ORDER BY subjectcode, coursenumber;
3.
SELECT DISTINCT subjectdescription,  subjectcode as sub, coursenumber as
cours, SUM(Capacity) as totalcapaciy
FROM courses c
INNER JOIN sections s
ON s.courseID = c.courseID
WHERE subjectcode = 'NET'
HAVING SUM(Capacity) >
    (SELECT AVG(Capacity)
    FROM courses c
    INNER JOIN sections s
    ON s.courseID = c.courseID
    WHERE subjectcode = 'NET')
GROUP BY subjectdescription, subjectcode, coursenumber
ORDER BY subjectcode, coursenumber;
4.
SELECT DISTINCT s.studentID, firstname, lastname, count(*) as
numberofcourses
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 s.courseID = c.courseID
WHERE subjectcode = 'CS'
HAVING count(*) =
    (SELECT MAX(NC)
    FROM
        (SELECT DISTINCT s.studentID, firstname, lastname, count(*) as NC
        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
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        ON s.courseID = c.courseID
        WHERE subjectcode = 'CS'
        GROUP BY s.studentID, firstname, lastname, subjectcode)
    )
GROUP BY s.studentID, firstname, lastname, subjectcode
ORDER BY s.studentID;
5.
SELECT DISTINCT city, state as st, count(*) AS numprofessors
FROM professor p
INNER JOIN sections s
ON s.professorID = p.professorID
INNER JOIN courses c
ON s.courseID = c.courseID
WHERE subjectcode = 'NET'
HAVING count(*) =
    (SELECT MAX(numprofessors)
    FROM
        (SELECT DISTINCT city, state as st, count(*) AS numprofessors
        FROM professor p
        INNER JOIN sections s
        ON s.professorID = p.professorID
        INNER JOIN courses c
        ON s.courseID = c.courseID
        WHERE subjectcode = 'NET'
        GROUP BY city, state)
    )
GROUP BY city, state
ORDER BY city, state;
6.
SELECT DISTINCT firstname, lastname, city, state as st, s.zip, ENROLLED
FROM students s
INNER JOIN registration r
ON s.studentID = r.studentID
INNER JOIN
        (SELECT zip, COUNT(*) AS ENROLLED
            FROM
                (SELECT DISTINCT zip, r.studentID
                FROM registration r
                INNER JOIN students s
                ON s.studentID = r.studentID)
            GROUP BY zip) t
ON s.zip = t.zip
WHERE s.zip IN
    (SELECT zip
    FROM
        (SELECT DISTINCT zip, r.studentID
        FROM registration r
        INNER JOIN students s
        ON s.studentID = r.studentID)
    GROUP BY zip
    HAVING COUNT(*) =
        (SELECT MAX(ENROLLED)
        FROM
            (SELECT zip, COUNT(*) AS ENROLLED
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                FROM
                    (SELECT DISTINCT zip, r.studentID
                    FROM registration r
                    INNER JOIN students s
                    ON s.studentID = r.studentID)
                GROUP BY zip)
            )
        )
7.
SELECT DISTINCT s.studentID, firstname, lastname
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 s.courseID = c.courseID
WHERE s.studentID IN
    (SELECT DISTINCT s.studentID
    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 s.courseID = c.courseID
    WHERE subjectcode = 'WEB')
AND s.studentID NOT IN
    (SELECT DISTINCT s.studentID
    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 s.courseID = c.courseID
    WHERE subjectcode = 'CS'
    OR subjectcode = 'NET')
ORDER BY lastname, firstname;
8.
SELECT DISTINCT firstname, lastname, s.sectionID, subjectcode as subj,
coursenumber as course
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 s.courseID = c.courseID
WHERE coursenumber IN
    (SELECT coursenumber
    FROM
        (SELECT DISTINCT coursenumber, r.studentID
        FROM Students s
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            INNER JOIN Registration r
            ON s.studentID = r.studentID
            INNER JOIN Sections s
            ON r.sectionID = s.sectionID
            INNER JOIN Courses c
            ON s.courseID = c.courseID)
        GROUP BY coursenumber
        HAVING COUNT(*) =
            (SELECT MAX(ENROLLED)
            FROM
                (SELECT coursenumber, COUNT(*) AS ENROLLED
                FROM
                    (SELECT DISTINCT coursenumber, r.studentID
                    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 s.courseID = c.courseID)
                GROUP BY coursenumber)
            )
        )
ORDER BY firstname, lastname;
9.
SELECT r.sectionID, subjectcode as su, capacity, ENROLLED
FROM
    (SELECT sectionID, COUNT(*) AS ENROLLED
    FROM
        (SELECT DISTINCT sectionID, s.studentID
        FROM students s
        INNER JOIN registration r
        ON s.studentID = r.studentID)
    GROUP BY sectionID) r
INNER JOIN sections s
ON s.sectionID = r.sectionID
INNER JOIN courses c
ON s.courseID = c.courseID
WHERE ENROLLED >= capacity
ORDER BY capacity DESC, sectionID;
10.
SELECT DISTINCT firstname, lastname, city, state as st, zip, phone
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 s.courseID = c.courseID
WHERE s.studentID IN
    (SELECT DISTINCT s.studentID
    FROM Students s
    INNER JOIN Registration r
    ON s.studentID = r.studentID
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        INNER JOIN Sections s
        ON r.sectionID = s.sectionID
        INNER JOIN Courses c
        ON s.courseID = c.courseID
        WHERE subjectcode = 'CS')
AND s.studentID IN
        (SELECT DISTINCT s.studentID
        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 s.courseID = c.courseID
        WHERE subjectcode = 'CHNS'
        OR subjectcode = 'FRCH'
        OR subjectcode = 'GRMN'
        OR subjectcode = 'ITLN'
        OR subjectcode = 'JPNS'
        OR subjectcode = 'PTGS'
        OR subjectcode = 'SPAN')
ORDER BY state, city, lastname, firstname;
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