```
-- 1
-- A
SELECT DISTINCT STUDENT.ID, STUDENT.NAME, STUDENT.SURNAME
FROM STUDENT
INNER JOIN SIGNUP ON STUDENT.ID = SIGNUP.STUDENT_ID
INNER JOIN GRADE ON GRADE.SIGNUP_ID = SIGNUP.ID
WHERE GRADE. VALUE < 7
-- B
SELECT STUDENT.ID, STUDENT.NAME, STUDENT.SURNAME
FROM STUDENT
WHERE STUDENT.ID IN (
    SELECT SIGNUP.STUDENT_ID
    FROM SIGNUP
    WHERE SIGNUP.ID IN (
        SELECT GRADE.SIGNUP_ID
        FROM GRADE
        WHERE GRADE. VALUE < 7
)
-- C
SELECT STUDENT.ID, STUDENT.NAME, STUDENT.SURNAME
FROM STUDENT
INNER JOIN SIGNUP ON STUDENT.ID = SIGNUP.STUDENT ID
INNER JOIN GRADE ON GRADE.SIGNUP ID = SIGNUP.ID
GROUP BY STUDENT.ID, STUDENT.NAME, STUDENT.SURNAME
HAVING MIN(GRADE. VALUE) < 7
```

```
SELECT STUDENT.ID, STUDENT.NAME, STUDENT.SURNAME
FROM STUDENT
INNER JOIN SIGNUP ON STUDENT.ID = SIGNUP.STUDENT_ID
INNER JOIN GRADE ON GRADE.SIGNUP_ID = SIGNUP.ID
MINUS
SELECT STUDENT.ID, STUDENT.NAME, STUDENT.SURNAME
FROM STUDENT
INNER JOIN SIGNUP ON STUDENT.ID = SIGNUP.STUDENT_ID
INNER JOIN GRADE ON GRADE.SIGNUP_ID = SIGNUP.ID
GROUP BY STUDENT.ID, STUDENT.NAME, STUDENT.SURNAME
HAVING MIN(GRADE.VALUE) >= 7
```

SELECT STUDENT.ID FROM STUDENT INNER JOIN SIGNUP ON STUDENT.ID = SIGNUP.STUDENT_ID INNER JOIN GRADE ON GRADE.SIGNUP_ID = SIGNUP.ID GROUP BY STUDENT.ID HAVING (MIN(GRADE.VALUE) < 5 OR MAX(GRADE.VALUE) = 10) MINUS SELECT STUDENT.ID FROM STUDENT INNER JOIN SIGNUP ON STUDENT.ID = SIGNUP.STUDENT_ID INNER JOIN GRADE ON GRADE.SIGNUP_ID = SIGNUP.ID GROUP BY STUDENT.ID HAVING (MIN(GRADE.VALUE) < 5 AND MAX(GRADE.VALUE) = 10)

```
-- 3
SELECT COURSE.ID, COURSE.NAME, TEACHER.NAME | ' ' | |
TEACHER.SURNAME AS TEACHER
FROM COURSE
INNER JOIN TEACHER ON COURSE. TEACHER ID = TEACHER.ID
INNER JOIN SIGNUP ON COURSE.ID = SIGNUP.COURSE ID
INNER JOIN GRADE ON GRADE.SIGNUP ID = SIGNUP.ID
GROUP BY COURSE.ID, COURSE.NAME, TEACHER.NAME, TEACHER.SURNAME
HAVING COUNT(CASE WHEN GRADE.ELP = 'E' AND GRADE.VALUE >= 5 THEN
1 END) > (
    SELECT COUNT(SIGNUP.ID) * 0.3
    FROM SIGNUP
    GROUP BY SIGNUP.COURSE ID
    HAVING SIGNUP.COURSE ID = COURSE.ID
)
-- 4
SELECT DEPARTMENT.FACULTY
FROM DEPARTMENT
GROUP BY DEPARTMENT.FACULTY
HAVING (
    SELECT COUNT(DISTINCT STUDENT.STUDY YEAR)
    FROM STUDENT
    INNER JOIN SIGNUP ON STUDENT.ID = SIGNUP.STUDENT ID
    INNER JOIN GRADE ON GRADE.SIGNUP ID = SIGNUP.ID
    WHERE STUDENT.DEPARTMENT = DEPARTMENT.ID AND GRADE.VALUE = 10
AND GRADE.ELP = 'E'
    AND EXTRACT(YEAR FROM GRADE.GDATE) = EXTRACT(YEAR FROM
SYSDATE)
) = 4
```

```
-- 5
SELECT STUDENT.ID, STUDENT.NAME, STUDENT.SURNAME, (
    SELECT
        AVG((
            2 * MAX(CASE WHEN GRADE.ELP = 'E' THEN GRADE.VALUE
END) +
            AVG(CASE WHEN GRADE.ELP IN ('L', 'P') THEN
GRADE. VALUE END)
        )/ 3)
    FROM GRADE
    INNER JOIN SIGNUP ON GRADE.SIGNUP ID = SIGNUP.ID
    WHERE STUDENT.ID = SIGNUP.STUDENT ID
    GROUP BY SIGNUP.ID
) AS "FINAL GRADE"
FROM STUDENT
INNER JOIN SIGNUP ON STUDENT.ID = SIGNUP.STUDENT ID
INNER JOIN GRADE ON SIGNUP.ID = GRADE.SIGNUP ID
GROUP BY STUDENT.ID, STUDENT.NAME, STUDENT.SURNAME
HAVING (
    SELECT COUNT(DISTINCT SIGNUP.COURSE ID)
    FROM SIGNUP
    WHERE SIGNUP.STUDENT ID = STUDENT.ID AND EXTRACT(YEAR FROM
SIGNUP.YEAR) = EXTRACT(YEAR FROM SYSDATE)
) = (
    SELECT COUNT(DISTINCT SIGNUP.ID)
    FROM GRADE
    INNER JOIN SIGNUP ON GRADE.SIGNUP ID = SIGNUP.ID
    WHERE STUDENT.ID = SIGNUP.STUDENT ID AND EXTRACT(YEAR FROM
SIGNUP.YEAR) = EXTRACT(YEAR FROM SYSDATE)
    GROUP BY SIGNUP.STUDENT ID
    HAVING MAX(CASE WHEN GRADE.ELP = 'E' THEN GRADE.VALUE END) >=
5
   AND AVG(CASE WHEN GRADE.ELP IN ('L', 'P') THEN GRADE.VALUE
END) >= 4.5
    AND COUNT(DISTINCT GRADE.ELP) = 3
```