**Table description.**

Table: Course\_schedule

DERS\_KOD – course code (code of subject)

YEAR – year when subject was conducted

TERM – 1 – Fall, 2-Spring

DERS\_S\_ID –

SECTION –

MIN(START\_TIME) – time of subject on week by schedule

Table: Course\_sections

DERS\_SOBE\_ID –

DERS\_KOD – course code (code of subject)

YEAR – year when subject was conducted

TERM – 1 – Fall, 2-Spring

SECTION –

TYPE – N,L – lection P- practice

EMP\_ID – id teacher, instructor

MESSAGE – comment

WEEK\_NUM – how many weeks

HOUR\_NUM – how many hours for semester

PACKET\_DERS – skip

ATTEND\_TYPE – skip

PAID\_SECTION – skip

EMP\_ID\_ENT – id teacher, instructor who can inter marks

LAST\_MODIFIED – last marks modified time

Credits – number of credits

Table: Course\_selections

STUD\_ID – id student

DERS\_KOD – course code (code of subject)

YEAR – year

TERM - 1 – Fall, 2-Spring

SECTION – section

LAB\_SOBE\_ID - skip

QIYMET\_YUZ – total mark of the course

QIYMET\_HERF - total mark of the course

GRADING\_TYPE – PNP –pass no pass, N - standart

ATTENDED -skip

PRACTICE – practice teacher

REG\_DATE – registration time

**Issues**

1. Find most popular courses for semester (You should pass a number of semester and year, and output list of courses with teachers )
2. Find most popular teacher in section for semester (You should pass a number of semester and year and code of subject, and output teacher practice and lecture ) For example Programming technology lecture instructors: Instructor1, Instructor2. Practice instructors : Teacher1,teacher2, teacher3
3. Calculate GPA of student for the semester and total
4. Find students who didn’t register any subjects for one semester
5. Calculate how much money the student spent on retakes for the given semester (included) and total spent.
6. Calculate the teachers’ “loading” (how many hours Teacher have for given semester)
7. Design schedule of teacher on semester
8. Design schedule of student on semester
9. Display how many subjects and credits was selected by student
10. Find most clever flow of students by the average rating for the one subject in one teacher.
11. Teachers rating for the semester(list)
12. Subject ratings for the semester (list)
13. Calculate total number of retakes for all time and display the profit.

**Conditions:**

For getting good mark for the project, you must include frontEnd, and have all structures of PL/SQL, which we have studied:

* Functions,
* Procedures,
* Cursors,
* Packages,
* Transactions,
* triggers,
* Collections,
* records,
* Dynamic SQL
* etc.

**Warning:**

If the logical part will be similar to some other student it will be cheating because I especially do not describe all issues in detail for your free-thinking and implementation.