2018-SQL-2

Download and execute the latest version of database construction script '原版教材配套建表（附加首先删表）DDL+drop.sql' and data filling script '大学示例数据库-2018.sql'。

resource: https://pan.baidu.com/s/1BtI9kJTlNX1jTao_xMdcsg
password: ckax

1. Find the courses which have no 'F' grade record ever. Note: the courses which have never be registered should be included.
   For each course as such, following information should be listed:
   - Title of the course
   - Count of section corresponding to the course
   ATTENTION: 5 Implementation methods should be provided.

2. Get the grade distribution of all the sections. Note: there's some grade like 'A-'.
   For each section grade distribution as such, following information should be listed:
   - Course title of the section
   - Year of the section
   - Semester of the section
   - ID number of the section
   - Count of grade A records
   - Count of grade B records
   - Count of grade C records
   - Count of grade D records
   - Count of grade F records
   - Count of records without grade information

   Hint: The result structure should like figure below

	course_id	year	semester	sec_id	A	B	C.	D.	F	nograde
1	fy1	2016	Summer	1	3	1	0	0	1	0
2	fy1	2016	Summer	2	2	0	0	0	0	0
3	fy1	2017	Summer	1	3	0	0	0	0	0
4	fy2	2016	Fall	1	3	3	0	0	0	0
5	fy3	2017	Summer	1	2	0	0	0	0	0
6	gf1	2016	Summer	1	2	0	1	0	1	1

3. Get the total credit hours in a week for every course which has corresponding sections in every semester.

For each course as such, following information should be listed:
- Title of the course
- Year of the course's sections
- Semester of the course's sections
- Count of the course's sections in the corresponding year and semester
- Total Credit hours in a week.

Note: 1 credit hour = 50 minutes

4. Find the pairs of student and instructor which the student registered the section that taught by the instructor and the student's advisor is the instructor.

For each pair as such, following information should be listed:
- Name of the student
- Name of the Instructor