Schemas:

Instructor(<u>name</u>,age, gender, faculty_or_free)
        faculty_or_free = 'faculty' or 'free'
        0 <= age <= 200
Instructor_expertise(<u>name,expertise</u>)
Faculty(<u>name</u>, startYear, research or Teach)
        research or teach = 'research' or 'teaching'
Research_interest(<u>name, interest</u>)
Department(<u>code</u>, name)
Course(<u>deptCode, number</u>, area)
        0 <= number <= 499
        area = 'science' or 'humanity' or 'social science' or 'engineering'
Prerequisites(<u>dept code, course number, pre dept, pre course</u>)
        0 <= course number <= 499
Exclusions(<u>dept code, course number,ex dept, ex course</u>)
        0 <= course number <= 499
Course_skilsl(<u>dept code, course number, start date. section id, username, skill,</u> start level, end level)
        0 <= course number <= 499
        1 <= start level <=5
        1 <= end level <= 5
Course_topics(<u>dept code, course number, start date. section id, username, topic,</u> start interest, end interest)
        0 <= course number <= 499
        1 <= start interest <= 5
        1 <= end interest <= 5
Experience(<u>dept code, course num, start date, sectionId, username,</u> grade, satisfaction, rank of Instructor)
        0 <= course number <= 499
        0 <= grade <= 100
        1 <= satisfaction <= 5
        1 <= rank of instructor <= 5
Sections(<u>deptCode, course number, start date, sectionId,</u> end date, time, instructor name, enrol_num)
        0 <= course number <= 499
        time = 'morning' or 'afternoon' or 'evening'
        start date < end date
Student(<u>username</u>, gender, birthYear, birth month, birth country, enrol year, enrol month)
        gender = 'male' or 'female' or 'other'
        1<= birth month <= 12
        1 <= enrol month <= 12
Employment(<u>username, company, title,</u>start date, end date)
Company_expertise(<u>name,expertise</u>)
Employment_skill(<u>username, company_name, title, em skill,</u> acquired or used, level)
        acquired or used = 'acquired' or 'used'
        2 <= level <=5