-- idnr=national identification number (10 digits)

Programs(name, abbreviation)

Branches(name,program)
     program → Programs.name

Departments(name, abbreviation)
     abbrevation unique

DepartmentCourse(course,department)
     course→ Courses.code
     department → Departments.name

DepartmentProgram(program, department)
     program → Programs.name
     department → Departments.name

Students(idnr, name, login, program)
     login unique

Courses(code, name, credits, department)

Prerequisites(course ,prerequisiteCourse)
     prerequisiteCourse → Courses.code
     course→ Courses.code

LimitedCourses(code, capacity)
     code → Courses.code

StudentPrograms(student,program)
     student → Students.idnr
     program → Programs.name

StudentBranches(student, branch, program)
     student → Students.idnr
     (branch, program) → Branches.(name, program)
     (student,program) →StudentPrograms.(idnr,name)

Classifications(name)

Classified(course, classification)
       course → courses.code
       classification → Classifications.name

MandatoryProgram(course, program)
       program → Programs.name
       course → Courses.code

MandatoryBranch(course, branch, program)
       course → Courses.code
       (branch,program) → Branches.(name,program)

RecommendedBranch(course, branch, program)
       course → Courses.code
       (branch, program) → Branches.(name, program)

Registered(student, course)
       student → Students.idnr
       course → Courses.code

Taken(student, course, grade)
       student → Students.idnr
       course → Courses.code

-- position is either a SERIAL, a TIMESTAMP or the actual position
WaitingList(student, course, position)
       student → Students.idnr
       course → Limitedcourses.code
       (course,position) unique
       (course,student) unique