-- idnr=national identification number (10 digits)

Programs(<u>name</u>, abbreviation)

Branches(<u>name</u>,<u>programName</u>)
      programName → Programs.name

Departments(<u>name</u>, abbreviation)

DepartmentProgram(<u>programName,</u> <u>departmentName</u>)
      programName → Programs.name
      department → Departments.name

Students(<u>idnr</u>, name, login, programName)
      programName → Programs.name

Courses(<u>code</u>, name, credits, departmentName)
      departmentName → Departments.name

Prerequisites(<u>course</u> ,<u>prerequisiteCourse</u>)
      prerequisiteCourse → Courses.code
      course→ Courses.code

LimitedCourses(<u>code</u>, capacity)
      code → Courses.code

StudentBranches(<u>student</u>, branch, programName)
      student → Students.idnr
      (branch, programName) → Branches.(name, programName)

Classifications(<u>name</u>)

Classified(<u>course</u>, <u>classification</u>)
      course → courses.code
      classification → Classifications.name

MandatoryProgram(<u>course</u>, <u>programName</u>)
      programName → Programs.name
      course → Courses.code

MandatoryBranch(<u>course</u>, <u>branch</u>, <u>programNameBranch</u>)
      course → Courses.code

        (branch,programNameBranch) → Branches.(name,programName)

RecommendedBranch(<u>course</u>, <u>branch</u>, <u>programNameBranch</u>)
        course → Courses.code
        (branch, programNameBranch) → Branches.(name, programName)

Registered(<u>student</u>, <u>course</u>)
        student → Students.idnr
        course → Courses.code

Taken(<u>student</u>, <u>course</u>, grade)
        student → Students.idnr
        course → Courses.code

-- position is either a SERIAL, a TIMESTAMP or the actual position
WaitingList(<u>student</u>, <u>courseLimited</u>, position)
        student → Students.idnr
        courseLimited → Limitedcourses.code