

**EducationAgency**(id,phone,departmentLocation,email)

**StudyOffice**(id,eaId)

Foreign key: eaId to EducationAgency.id

**Department**(id,name,eaId)

Foreign key: eaId to EducationAgency.id

**Employee**(ssn,phone, email,firstName,lastName)

**StudyOfficeEmployee**(ssn,soId)

Secondary key: soId

Foreign key: ssn to Employee.ssn

Foreign key: soId to StudyOffice.id

**DepartmentEmployee**(ssn,dId)

Secondary key: dId

Foreign key: ssn to Employee.ssn

Foreign key: dId to Department.id

**Teacher**(ssn,dId,studyDegree)

Secondary key: dId

Foreign key: ssn to Employee.ssn

Foreign key: dId to Department.id

**MainTeacher**(ssn)

Foreign key: ssn to Teacher.ssn

**Student**(id, firstName, lastName, dId)

Foreign key: dId to Department.id

**StudyStatus**(sid, semesterId, status)

Foreign key sid to Student.id

Check for status in ('normal', 'pause', 'stop')

**Subject**(id, name, credit)

Check for credit in [1, 3]

**Semester**(id, startDate, endDate)

Check for startDate < endDate

**RererenceBook**(id, name, releasedDate)

Check for releasedDate to now less than 10 years

**Author**(ssn, firstName, lastName)

**Publisher**(id, name, nation)

**Class**(id, Semester\_id, Subject\_id, maxStudent)

Foreign key: Semester\_id to Semester.id, Subject\_id to Subject.id

Check for maxStudent <= 60

**Opens**(Semester\_id, Subject\_id, Department\_id)

Foreign key: Semester\_id to Semester.id,

Subject\_id to Subject.id,

Department\_id to Department.id

**Uses**(Subject\_id, Mainteacher\_ssn, ReferenceBook\_id)

Foreign key: Subject\_id to Subject.id,  
MainTeacher\_ssn to MainTeacher.ssn,  
ReferenceBook\_id to ReferenceBook.id

**Write**(Author\_ssn, Book\_id)

Foreign key: Author\_ssn to Author.ssn,  
Book\_id to ReferenceBook.id

Check for Total participation of ReferenceBook

**Field**(Book\_id, Field)

Foreign key: Book\_id to Book.id

**ReferenceBook**(id, ..., Publisher\_id)

Foreign key: Publisher\_id to Publisher.id

Not Null: Publisher\_id

**Register**(Student\_id, Semester\_id, Subject\_id, Class\_id)

Foreign key: Student\_id to Student.id,  
(Semester\_id, Subject\_id, Class\_id) to Class.(Semester\_id, Subject\_id, id)

**Class**(id, Semester\_id, Subject\_id, ..., MainTeacher\_ssn)

Foreign key: MainTeacher\_ssn to MainTeacher.ssn

Not Null: MainTeacher\_ssn

Check for Total participation of MainTeacher

**Week**(Teacher\_ssn, Semester\_id, Subject\_id, Class\_id, week)

Foreign key: Teacher\_ssn to Teacher.ssn,

(Semester\_id, Subject\_id, Class\_id) to Class.(Semester\_id, Subject\_id, id)

Check for Total participation of Class