2.

Departments (department_no, department_name, department_chair, department_employees)
Primary Key department_no

Majors (major_code, major_name, department_no)
Primary Key major_code
Foreign Key department_no *references* Departments(department_no)

Students (student_id, student_name, student_initial, major_code, student_events)
Primary Key student_id
Foreign Key major_code *references* Majors(major_code)

Events (event_name, event_start_date, event_end_date, dept_no, student_events)
Primary Key event_name
Foreign Key department_no *references* Departments(department_no)
Foreign Key student_events *references* Events(student_events)

PRIMARY KEY(department_no)
PRIMARY KEY(major_code)
PRIMARY KEY(student_id)
PRIMARY KEY(event_name)

Foreign Key department_no *references* Departments(department_no)
Foreign Key major_code *references* Majors(major_code)
Foreign Key department_no *references* Departments(department_no)
Foreign Key student_events *references* Events(student_events)

CONSTRAINT CK_deptname CHECK (department_name LIKE 'Department%')
CONSTRAINT CK_majorcode CHECK (LENGTH(major_code)=3)
CONSTRAINT CK_startdate CHECK (event_end_date>event_start_date)
CONSTRAINT CK_enddate CHECK(event_start_date>TO_DATE('2022/02/07', 'YYYY/MM/DD'))
CONSTRAINT CK_studentinitial CHECK (LENGTH(student_initial)>=2)

Majors

Majors

major_code (PK)

major_name

department_no (FK REFERENCES Departments)

Departments

Departments

department_no (PK)

department_chair

department_employees

department_name

Events

Events

event_name (PK)

event_start_date

event_end_date

department_no (FK REFERENCES Departments)

student_events (FK REFERENCES Students)

Students

Students

student_id (PK)

student_name

major_code (FK REFERENCES Majors)

student_events

student_name

student_name

student_name (FK REFERENCES Students)

student_initial (PK)

Has

Has

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