#### Project3 YiRong

Part1 Create Table

CREATE TABLE Department ( Department\_name varchar(255) NOT NULL CHECK (Department\_name LIKE '%Department%') PRIMARY KEY,

Chair\_name varchar(255),

Num\_faculty int )

CREATE TABLE Major (Code varchar(3) NOT NULL CHECK(length(Code)=3) PRIMARY KEY, Major\_name varchar(255),

Department name varchar(255),

Foreign Key (Department\_name) references Department ( Department\_name ) )

CREATE TABLE Student (Student\_id int NOT NULL PRIMARY KEY,

Student\_name varchar(255),

lni\_name\_student varchar(255) CHECK (length(lni\_name\_student)>1) )

CREATE TABLE Event (Event\_id int PRIMARY KEY,

Event\_name varchar(255),

Start\_date date CHECK (Start\_Date > date '2021-12-9'),

End\_date date CHECK (End\_Date > date '2021-12-9'),

CHECK (End\_date >Start\_date) )

CREATE TABLE Event\_Student ( Event\_id int NOT NULL,

Student\_id int NOT NULL,

PRIMARY KEY(Event\_id, Student\_id),

Foreign Key (Event\_id) references Event (Event\_id) ON DELETE CASCADE,

Foreign Key (Student\_id) references Student ( Student\_id ) ON DELETE CASCADE )

CREATE TABLE Event\_Detail ( Event\_id int,

Department\_name varchar(255),

PRIMARY KEY(Event\_id, Department\_name),

Foreign Key (Event\_id) references Event (Event\_id) ON DELETE SET NULL,

Foreign Key (Department\_name) references Department ( Department\_name ) ON DELETE CASCADE )

CREATE TABLE Student\_Detail (Student\_id int,

Code varchar(255),

PRIMARY KEY(Student\_id, Code),

Foreign Key (Student\_id) references Student ( Student\_id ) ON DELETE CASCADE,

Foreign Key (Code) references Major (Code) ON DELETE CASCADE)

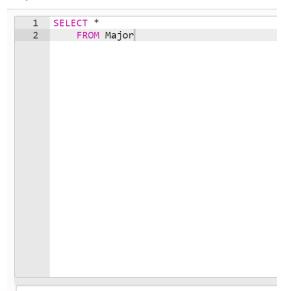
## Department



DEPARTMENT_NAME	CHAIR_NAME	NUM_FACULTY
CDepartment	С	3
DDepartment	D	4
ADepartment	a	1
BDepartment	В	2
EDepartment	Е	5

# Download CSV 5 rows selected.

# Major

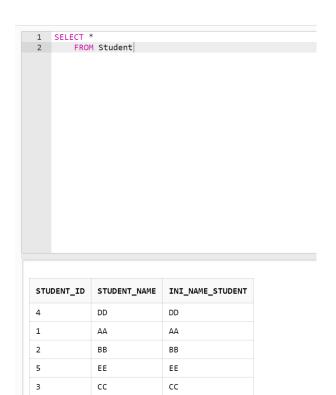


CODE	MAJOR_NAME	DEPARTMENT_NAME
AAA	А	ADepartment
BBB	В	BDepartment
ccc	С	CDepartment
DDD	D	DDepartment
EEE	E	EDepartment

#### Download CSV

5 rows selected.

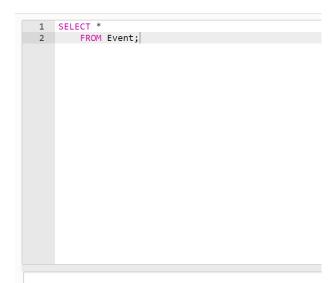
#### Student



#### Download CSV

5 rows selected.

#### Event

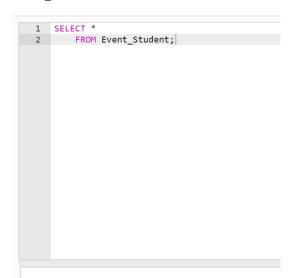


EVENT_ID	EVENT_NAME	START_DATE	END_DATE
5	E	10-DEC-21	11-DEC-21
1	А	10-DEC-21	11-DEC-21
2	В	10-DEC-21	11-DEC-21
3	С	10-DEC-21	11-DEC-21
4	D	10-DEC-21	11-DEC-21

#### Download CSV

5 rows selected.

## Evnet\_Student



STUDENT_ID
1
2
3
4
5

Download CSV

5 rows selected.

## Event\_Detail

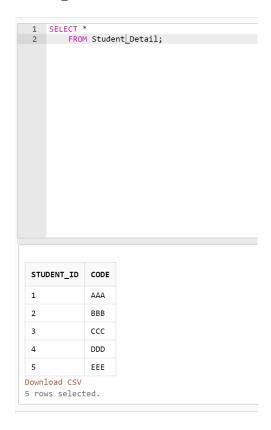
```
1 SELECT *
2 FROM Event_Detail;
```

EVENT_ID	DEPARTMENT_NAME
1	ADepartment
2	BDepartment
3	CDepartment
4	DDepartment
5	EDepartment

Download CSV

5 rows selected.

# Student\_Detail



## Githublink

https://github.com/leorong71/CSC423