

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),  
Ini_name_student varchar(255) CHECK (length(Ini_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

1

SELECT *

2

FROM Department

DEPARTMENT_NAME	CHAIR_NAME	NUM_FACULTY
CDepartment	C	3
DDepartment	D	4
ADepartment	a	1
BDepartment	B	2
EDepartment	E	5

Download CSV

5 rows selected.

Major

1

SELECT *

2

FROM Major

CODE	MAJOR_NAME	DEPARTMENT_NAME
AAA	A	ADepartment
BBB	B	BDepartment
CCC	C	CDepartment
DDD	D	DDepartment
EEE	E	EDepartment

Download CSV

5 rows selected.

Student

1

SELECT *

2

FROM Student

STUDENT_ID	STUDENT_NAME	INI_NAME_STUDENT
4	DD	DD
1	AA	AA
2	BB	BB
5	EE	EE
3	CC	CC

Download CSV

5 rows selected.

Event

1

SELECT *

2

FROM Event;

EVENT_ID	EVENT_NAME	START_DATE	END_DATE
5	E	10-DEC-21	11-DEC-21
1	A	10-DEC-21	11-DEC-21
2	B	10-DEC-21	11-DEC-21
3	C	10-DEC-21	11-DEC-21
4	D	10-DEC-21	11-DEC-21

Download CSV

5 rows selected.

Evnet_Student

1

SELECT *

2

FROM Event_Student;

EVENT_ID	STUDENT_ID
1	1
2	2
3	3
4	4
5	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

1	SELECT *
2	FROM Student_Detail;

STUDENT_ID	CODE
1	AAA
2	BBB
3	CCC
4	DDD
5	EEE

[Download CSV](#)
5 rows selected.

Githublink

<https://github.com/leorong71/CSC423>