1. Student 길zhok적

<u>id</u> CHAR(8)	name VARCHAR(20)	semester INT	year INT
20190(0)	71-4-	3	2
20190102	いき7ト	2	١
20190103	나두야	2	1
20200101	71운데		
20200102	김한나	1	1
20200103	유명한	l	1

Course 릴레이션

<u>: d</u> CHAR(8)	hame VARCHAR(20)	unit INT	professor VARCHAR(20)
S01	eloleltho(7	3	
502	국어	2	강교수
S03	영어	2	James
S04	ストリト	ഏ	
S05	수학	2	<i>প</i> ৰ্যাপ

register 릴레이션

St_id CHAR(8)	Co_id CHAR(8)	regtime DATETIME
20200102	SOI	2020-11-17 14:00:01
2070010J	S02	2020-11-17 14:00:02
20200102	S03	2020-11-17 14:00:03
20200102	S03	2020-11-17 14:00:

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2.
CREATE DATABASE dgu;
3.
CREATE TABLE student
(id CHAR(8), name VARCHAR(20), semester INT, PRIMARY KEY(id));
CREATE TABLE course
(id CHAR(8), name VARCHAR(40), unit INT, professor VARCHAR(20), PRIMARY KEY(id));
CREATE TABLE register
(st_id CHAR(8), co_id CHAR(8), regtime DATETIME);
4.
INSERT INTO student VALUES
('20190101', '가나다', 3),
('20190102', '나한가', 2),
('20190103', '나두야', 2),
('20200101', '가운데', 1),
('20200102', '김한나', 1),
('20200103', '유명한', 1);
INSERT INTO student VALUES
('20200104', '박세연', 1);
5.
INSERT INTO course VALUES
('S01', '데이터베이스', 3, '최교수'),
('S02', '국어', 2, '강교수'),
('S03', '영어', 2, 'James'),
('S04', '자바', 3, '최교수'),
('S05', '수학', 2, '수학교수);
INSERT INTO course VALUES
('S06', '체육', 3, '박선생');
6.
INSERT INTO register
(SELECT st.id, co.id, NOW() FROM student st, course co WHERE
st.name = '김한나' AND co.name = '데이터베이스');
8.
INSERT INTO register
(SELECT st.id, co.id, NOW() FROM student st, course co WHERE
st.name = '김한나' AND (co.name = '국어' OR co.name = '영어'));
10.
INSERT INTO register VALUES
('20200103', 'S05', NOW()),
```

('20200103', 'S01', NOW());

```
11.
SELECT co.name as 교과목, co.unit as 학점, co.professor as 교수
FROM course co, student st, register re
WHERE st.name = '김한나' AND st.id = re.st id AND co.id = re.co id
ORDER BY co.name;
12.
SELECT st.name AS 학생이름, COUNT(*) AS 과목수, SUM(co.unit) AS 총학점수
FROM student st, course co, register re
WHERE st.id = re.st_id AND co.id = re.co_id
GROUP BY st.name:
13.
DELETE
FROM register
WHERE st id = (SELECT id
               FROM student
               WHERE name = '김한나')
       AND co id = (SELECT id
                    FROM course
                   WHERE name = '국어');
14.
UPDATE student
SET semester = semester + 1
WHERE id IN (SELECT DISTINCT st id FROM register);
15.
DELETE
FROM register
WHERE co id = (SELECT co id
               FROM register
               GROUP BY co id having count(*)<5);
```