

REPORT



과 목 명 : DATABASE

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# by. software 32151671 parkminhyeok

drop database if exists student_DB;

CREATE DATABASE student_DB;

USE student_DB;

CREATE TABLE IF NOT EXISTS student
(
    student_id int,
    student_name varchar(10),
    student_major varchar(15),

    primary key(student_id)
);

insert into student
values(32151671,'박민혁','software');
insert into student
values(32153180,'이상민','software');
insert into student
values(32151648,'박동학','software');
insert into student
values(32155048,'홍승기','software');

CREATE TABLE IF NOT EXISTS course
(
    course_id int,
    course_name varchar(10),
    course_professor varchar(10),
    primary key(course_id)
);

insert into course
values(524640,'디자인패턴','박제호교수님');
insert into course
values(452660,'데이터베이스','이석균교수님');
insert into course
values(527840,'컴퓨터그래픽스','송인식교수님');
```

```
CREATE TABLE IF NOT EXISTS course_taken
(
    c_taken_no int AUTO_INCREMENT,
    student_id int,
    course_id int,
    grade varchar(5),

    primary key(c_taken_no),
    foreign key(student_id) references student(student_id),
    foreign key(course_id) references course(course_id)
);
```

```
insert into course_taken(student_id,course_id,grade)
values(32151671,524640,'A+');
insert into course_taken(student_id,course_id,grade)
values(32153180,524640,'A+');
insert into course_taken(student_id,course_id,grade)
values(32155048,524640,'A+');
insert into course_taken(student_id,course_id,grade)
values(32151671,452660,'A');
insert into course_taken(student_id,course_id,grade)
values(32151648,452660,'A+');
insert into course_taken(student_id,course_id,grade)
values(32151671,527840,'A+');
insert into course_taken(student_id,course_id,grade)
values(32153180,527840,'A+');
insert into course_taken(student_id,course_id,grade)
values(32155048,527840,'A+');
```

Result

```
SELECT
    student.student_name, course.course_name, course_taken.grade
FROM
    student, course, course_taken
WHERE
    student.student_id=course_taken.student_id and
    course.course_id=course_taken.course_id;
```

	student_name	course_name	grade
▶	박민혁	데이터베이스	A
	박동학	데이터베이스	A+
	박민혁	디자인패턴	A+
	이상민	디자인패턴	A+
	홍승기	디자인패턴	A+
	박민혁	컴퓨터그래픽스	A+
	이상민	컴퓨터그래픽스	A+
	홍승기	컴퓨터그래픽스	A+