// 利用course表创建一个新表course1

create TABLE course1 as select \* from course;

// 创建course1主键约束，字段名为cname;

alter table course1 add PRIMARY KEY (cname);

// 删除主键约束，重新创建主键约束

ALTER TABLE course1 DROP PRIMARY KEY;

ALTER TABLE course1 add PRIMARY KEY (courseno);

// 验证主键约束，观察主键值重复时的数据插入情况

insert into course1 VALUES ('c05188','电子技术','必修','64','16','2');

insert into course1 VALUES ('c05188','控制原理','必修','64','20','3');

// @外键约束的创建和应用

// 利用score 创建一个新表score1

CREATE TABLE score1 as select \* from score;

// 对score1 表添加外键

ALTER TABLE score1 add CONSTRAINT fk\_cou\_score FOREIGN KEY (courseno) REFERENCES course1(courseno);

// 验证外键约束

insert INTO score1 VALUES('20137221508','c05109',94,92);

insert INTO score1 VALUES('20137221508','c11111',99,98);

//@检查约束的创建和应用

// 创建检查约束，final的取值范围为0~100

alter TABLE score1 add CONSTRAINT sc\_check1 CHECK(final>=0 and final <= 100);

// 验证检查约束

INSERT into score1 VALUES('2112613307','c05109',94,100);

INSERT into score1 VALUES('2112613307','c05108',94,101);

//@唯一性约束的创建和应用

// 创建唯一性约束

ALTER TABLE student add UNIQUE(phone);

// 验证

SELECT studentno,sname,phone from student;

INSERT INTO student VALUES ('21126113306','梅青','2001/9/7','787','13245678543','mei@163.com');

//@非约束的应用

insert INTO course1 VALUES(null,'网络技术','必修','64','16','2');