1:完成学员student表,老师 teacher 表,课程表course表的设计.

2:多对多设计原则,引入中间表.

答案:

1: 完成学员和老师表设计

create table student(

id int primary key auto\_increment,

name varchar(20),

city varchar(10),

age int

);

create table teacher(

id int primary key auto\_increment,

name varchar(20)

);

create table course(

id int primary key auto\_increment,

name varchar(20),

teacher\_id int,

foreign key (teacher\_id) references teacher(id)

);

create table studentcourse(

student\_id int,

course\_id int,

score int,

foreign key (student\_id) references student(id),

foreign key (course\_id) references course(id)

);

2: 录入相关数据

insert into teacher values(null,'关羽');

insert into teacher values(null,'张飞');

insert into teacher values(null,'赵云');

insert into student values(null,'小王','北京',20);

insert into student values(null,'小李','上海',18);

insert into student values(null,'小周','北京',22);

insert into student values(null,'小刘','北京',21);

insert into student values(null,'小张','上海',22);

insert into student values(null,'小赵','北京',17);

insert into student values(null,'小蒋','上海',23);

insert into student values(null,'小韩','北京',25);

insert into student values(null,'小魏','上海',25);

insert into student values(null,'小明','北京',20);

insert into course values(null,'语文',1);

insert into course values(null,'数学',1);

insert into course values(null,'生物',2);

insert into course values(null,'化学',2);

insert into course values(null,'物理',2);

insert into course values(null,'英语',3);

insert into studentcourse values(1,1,80);

insert into studentcourse values(1,2,90);

insert into studentcourse values(1,3,85);

insert into studentcourse values(1,4,78);

insert into studentcourse values(2,2,53);

insert into studentcourse values(2,3,77);

insert into studentcourse values(2,5,80);

insert into studentcourse values(3,1,71);

insert into studentcourse values(3,2,70);

insert into studentcourse values(3,4,80);

insert into studentcourse values(3,5,65);

insert into studentcourse values(3,6,75);

insert into studentcourse values(4,2,90);

insert into studentcourse values(4,3,80);

insert into studentcourse values(4,4,70);

insert into studentcourse values(4,6,95);

insert into studentcourse values(5,1,60);

insert into studentcourse values(5,2,70);

insert into studentcourse values(5,5,80);

insert into studentcourse values(5,6,69);

insert into studentcourse values(6,1,76);

insert into studentcourse values(6,2,88);

insert into studentcourse values(6,3,87);

insert into studentcourse values(7,4,80);

insert into studentcourse values(8,2,71);

insert into studentcourse values(8,3,58);

insert into studentcourse values(8,5,68);

insert into studentcourse values(9,2,88);

insert into studentcourse values(10,1,77);

insert into studentcourse values(10,2,76);

insert into studentcourse values(10,3,80);

insert into studentcourse values(10,4,85);

insert into studentcourse values(10,5,83);