```
create table course (crcode varchar, title varchar, dept varchar, credits int,
teacher varchar);
insert into course(crcode, title, dept, credits, teacher) values ('CS313',
'Database Management Lab', 'Computer Science', 3, 'NL Sarda');
insert into course(crcode, title, dept, credits, teacher) values ('CS301',
'Computer Architecture', 'Computer Science', 6, 'Rajshekar');
insert into course(crcode, title, dept, credits, teacher) values ('EE401', 'Pattern Recognition', 'Electrical', 6, 'Mahadeva Prasana'); insert into course(crcode, title, dept, credits, teacher) values ('CS311',
'Computer Architecture Lab', 'Computer Science', 3, 'Rajshekar');
insert into course(crcode, title, dept, credits, teacher) values ('CS403',
'Graph Theory', 'Computer Science', 6, 'Sagnik Sen');
insert into course(crcode, title, dept, credits, teacher) values ('CS303',
'Database Management', 'Computer Science', 6, 'NL Sarda');
insert into course(crcode, title, dept, credits, teacher) values ('HS303',
'Philosophy', 'Humanities', 6, 'Jolly Thoman');
create table student(rollno int, name varchar, hostelno int, cpi float, dept
varchar);
insert into student values(170010001, 'Jay Bhai', 1, 8.3, 'Computer Science');
insert into student values(170010002, 'Améya Vadnere', 3, 8.25, 'Computer
Science');
insert into student values(170010003, 'Akshat Karani', 3, 9.31, 'Computer
Science');
insert into student values(170020001, 'Hritik Kumar', 2, 7.69, 'Electrical');
insert into student values(170020002, 'Pheku', 3, 10, 'Electrical'); insert into student values(170020003, 'Divya', 1, 6.77, 'Computer Science'); insert into student values(170030001, 'Anna', 9, 7.88, 'Mechanical');
create table study(crcode varchar, rollno int, grade int);
insert into study values('CS313', 170010001, 8);
insert into study values('CS313', 170010001, 8); insert into study values('CS313', 170010002, 9); insert into study values('CS313', 170010003, 8); insert into study values('CS313', 170020001, 8); insert into study values('CS313', 170020002, 6); insert into study values('CS313', 170020003, 7); insert into study values('CS313', 170030001, 10);
insert into study values('CS301', 170010001, 8);
insert into study values('CS301', 170010002, 9);
insert into study values('CS301', 170010003, 8);
insert into study values('CS301', 170020001, 7);
insert into study values('CS301', 170020002, 7);
insert into study values('CS301', 170020003, 8);
insert into study values('CS301', 170030001, 9);
insert into study values('EE401', 170010001, 9);
insert into study values('EE401', 170010002, 8);
insert into study values('EE401', 170010003, 10);
insert into study values('EE401', 170020001, 8);
insert into study values('EE401', 170020002, 7);
insert into study values('EE401', 170020003, 8);
insert into study values('EE401', 170030001, 8);
insert into study values('CS311', 170010001, 8);
insert into study values('CS311', 170010002, 9);
insert into study values('CS311', 170010003, 8);
insert into study values('CS311', 170020001, 8);
```

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insert into study values('CS311', 170020002, 8);
insert into study values('CS311', 170020003, 7);
insert into study values('CS311', 170030001, 10);
insert into study values('HS303', 170010001, 9); insert into study values('HS303', 170010002, 9); insert into study values('HS303', 170010003, 8); insert into study values('HS303', 170020001, 8); insert into study values('HS303', 170020002, 7); insert into study values('HS303', 170020003, 9); insert into study values('HS303', 170030001, 8);
insert into study values('CS403', 170010001, 9);
insert into study values('CS403', 170010002, 9);
insert into study values('CS403', 170010003, 8);
insert into study values('CS403', 170020001, 8);
insert into study values('CS403', 170020002, 9);
insert into study values('CS403', 170020003, 6);
insert into study values('CS403', 170030001, 10);
5.
         select * from student where cpi>9 and hostelno=3;
         select * from course where dept = 'Electrical' and teacher = 'Mahadeva
Prasana';
         select distinct name from student join study on student.rollno =
study.rollno where grade=10 and student.cpi<9;
         select distinct rollno, name from student natural join study natural join
course where student.dept='Computer Science' and course.dept='Computer Science'
and study.grade<8;
```