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1BM19CS165

LAB-4: STUDENT FACULTY DATABASE

STUDENT FACULTY DATABASE

create database student_faculty;
use student_faculty;

create table student(snum int, sname varchar(10), major varchar(2), lvl varchar(2), age int,primary key (snum)); desc student;

create table faculty(fid int, fname varchar(20), deptid int,primary key(fid)); desc faculty;

create table class(cname varchar(20), meetsat timestamp, room varchar(10), fid int,primary key (cname),foreign key(fid) references faculty(fid)); desc class;

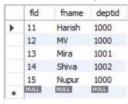
create table enrolled(snum int, cname varchar(20),primary key(snum,cname), foreign key(snum) references student(snum), foreign key(cname) references class(cname)); desc enrolled;

insert into student values(1, 'jhon', 'CS', 'Sr', 19); insert into student values(2, 'Smith', 'CS', 'Jr', 20); insert into student values(3, 'Jacob', 'CV', 'Sr', 20); insert into student values(4, 'Tom', 'CS', 'Jr', 20); insert into student values(5, 'Rahul', 'CS', 'Jr', 20); insert into student values(6, 'Rita', 'CS', 'Sr', 21); select * from student;



insert into faculty values(11, 'Harish', 1000);

insert into faculty values(12, 'MV', 1000); insert into faculty values(13, 'Mira', 1001); insert into faculty values(14, 'Shiva', 1002); insert into faculty values(15, 'Nupur', 1000); select * from faculty;



insert into class values('class1', '12/11/15 10:15:16', 'R1', 14); insert into class values('class10', '12/11/15 10:15:16', 'R128', 14); insert into class values('class2', '12/11/15 10:15:20', 'R2', 12); insert into class values('class3', '12/11/15 10:15:25', 'R3', 12); insert into class values('class4', '12/11/15 20:15:20', 'R4', 14); insert into class values('class5', '12/11/15 20:15:20', 'R3', 15); insert into class values('class6', '12/11/15 13:20:20', 'R2', 14); insert into class values('class7', '12/11/15 10:10:10', 'R3', 14); select * from class;

	cname	meets_at	room	fid
	dass1	2012-11-15 10:15:16	R1	14
	class 10	2012-11-15 10:15:16	R128	14
	class2	2012-11-15 10:15:20	R2	12
	class3	2012-11-15 10:15:25	R3	11
	class4	2012-11-15 20:15:20	R4	14
	class5	2012-11-15 20:15:20	R3	15
	class6	2012-11-15 13:20:20	R2	14
	class7	2012-11-15 10:10:10	R3	14

insert into enrolled values(1, 'class1'); insert into enrolled values(2, 'class1'); insert into enrolled values(3, 'class3'); insert into enrolled values(4, 'class3'); insert into enrolled values(5, 'class4'); insert into enrolled values(1, 'class5'); insert into enrolled values(2, 'class5'); insert into enrolled values(3, 'class5'); insert into enrolled values(4, 'class5'); insert into enrolled values(4, 'class5');

HAVING S.IvI IN (SELECT S1.IvI FROM Student S1 WHERE S1.age = S.age GROUP BY S1.IvI, S1.age HAVING COUNT(*) >= ALL (SELECT COUNT(*) FROM Student S2 WHERE s1.age = S2.age GROUP BY S2.IvI, S2.age));

