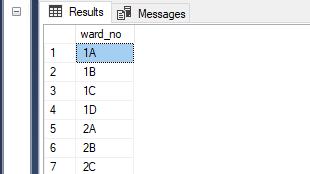
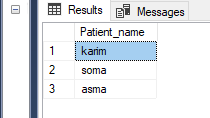
1. Find the ward no of all patient without duplicates.

select distinct ward\_no from Ward



1. Find all patients in 1A no ward.

select Patient\_name from Patient where Ward\_no='1A';

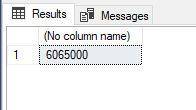


1. Find the names of all patients whose name includes the substring “islam”.

select Patient\_name from Patient where Patient\_name like '%islam%';

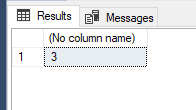
1. Sum of total bill of a patient.

select sum(Amount) from Bill;



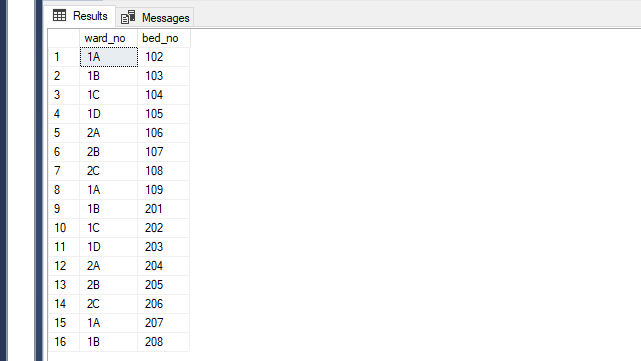
1. Find the total number of doctors whose assigned for patient in the “702”no ward.

select count(Assigned\_doctor) from Patient where Ward\_no='1A';



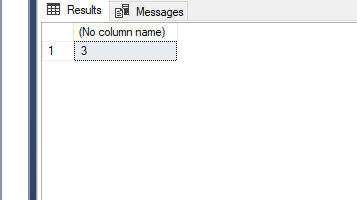
1. List all ward no along with the number of bed no in each ward.

select ward\_no,bed\_no from Patient;



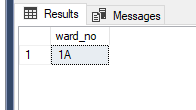
1. Find the total number of patient of “1A” no ward.

select count(distinct Patient\_id) from Patient where Ward\_no='1A';



1. Find all ward no of burn category.

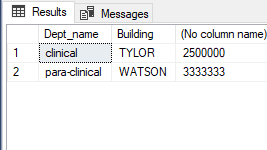
select all ward\_no from Ward where Category='burn unit';



**College**(department,doctor,student,course,takes,teaches)

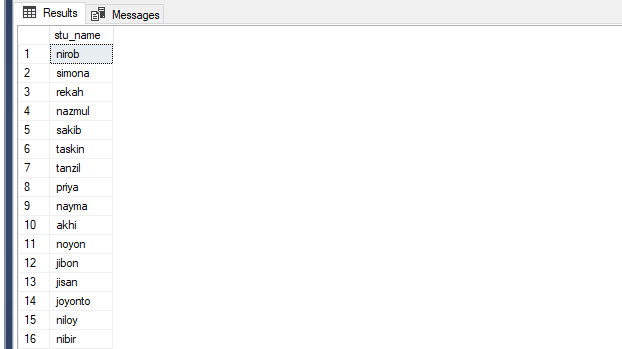
1. Find department name, building, budget/12 as monthly budget.

select Dept\_name,Building,Budget/12 from Department;



1. Find all students in clinical department with total credit>80

select stu\_name from student where Dept\_name ='clinical' and Total\_credit>40;

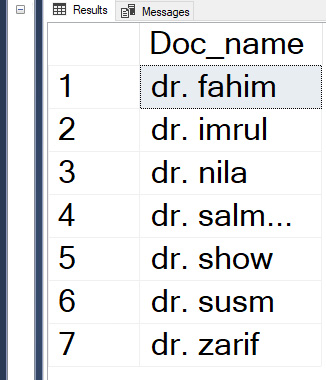


1. Find the names of all students in the non-clinical department who have took some course and the course id.

select stu\_name,course\_id from Student,Takes where Takes.Student\_id= Student.Student\_id and Dept\_name= 'para-clinical';

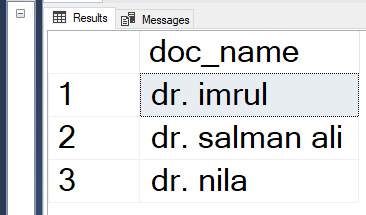
1. Find the names of all doctors who have a higher salary than some doctors in clinical department

Select distinct D.Doc\_name from Doctor as D,Doctor as S where D.Salary>S.Salary and S.Dept\_name = 'clinical';



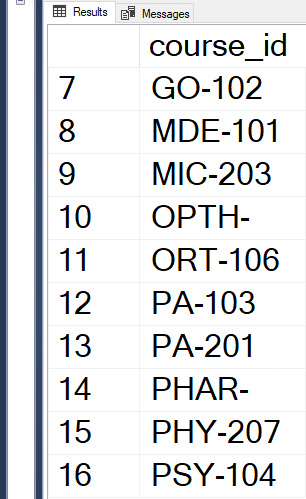
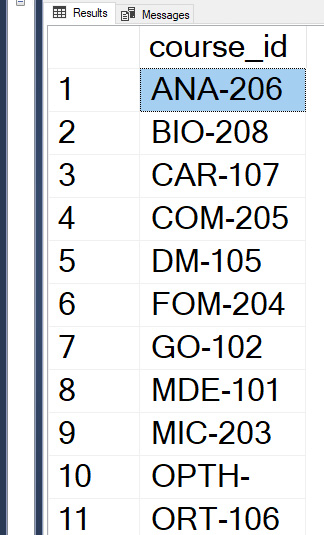
1. Find the names of all doctors with salary between 90000 and 100000.

select doc\_name from Doctor where Salary between 90000 and 100000;



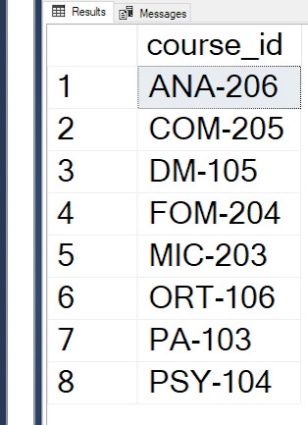
1. Find courses that teaches by doctors in 2011 or in 2012. (do this by union)

(select course\_id from Teaches where Teaches\_year = 2017) union (select course\_id from Teaches where Teaches\_year = 2018);



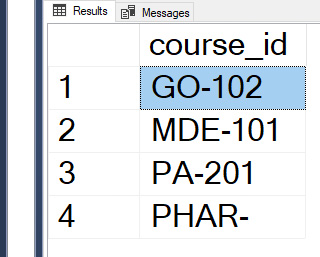
1. Find courses that teaches by doctors in 2009 and in 2010. (do this by intersect)

(select course\_id from Teaches where Teaches\_year = 2017) intersect (select course\_id from Teaches where Teaches\_year = 2018);



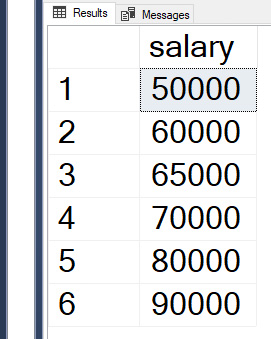
1. Find courses that takes by students in 2009 but not in 2018.(using except)

(select course\_id from Teaches where Teaches\_year = 2017) except (select course\_id from Teaches where Teaches\_year = 2018);



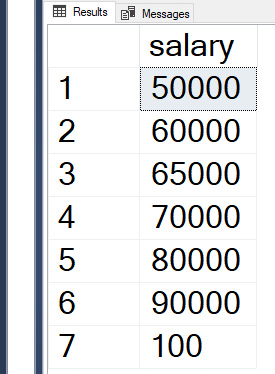
1. Find the salaries of all doctors that are less than the largest salary.

select distinct T.salary from Doctor as T, Doctor as S where T.Salary<S.Salary;



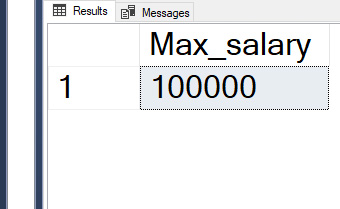
1. Find all the salaries of all doctors.

Select distinct salary from Doctor;



1. Find the maximum salary of doctors.

select max(salary)as Max\_salary from Doctor;



1. Find the total number of (distinct) students who have taken course taught by the doctor with ID 100…
2. Find names of doctor with salary greater than that of some (at least one) doctor in the non-clinical department.

select distinct T.Doc\_name from Doctor as T, Doctor as S where T.Salary>S.Salary and S.Dept\_name = 'para-clinical';

