

A classic example of DOUBLE-SELF JOIN

1. Write a query to list employees' names along with their managers and senior managers name.

Create a table emp

```
create table emp(  
emp_id int,  
emp_name varchar(20),  
department_id int,  
salary int,  
manager_id int,  
emp_age int);
```

Insert values into the table

```
Insert into emp  
values  
(1, 'Ankit', 100,10000, 4, 39;  
insert into emp  
values (2, 'Mohit', 100, 15000, 5, 48);  
insert into emp  
values (3, 'Vikas', 100, 12000,4,37);  
insert into emp  
values (4, 'Rohit', 100, 14000, 2, 16);  
insert into emp  
values (5, 'Mudit', 200, 20000, 6,55);  
insert into emp  
values (6, 'Agam', 200, 12000,2, 14);  
insert into emp  
values (7, 'Sanjay', 200, 9000, 2,13);  
insert into emp  
values (8, 'Ashish', 200,5000,2,12);  
insert into emp  
values (9, 'Mukesh',300,6000,6,51);  
insert into emp  
values (10, 'Rakesh',500,7000,6,50);
```

Solution -

```
select e.emp_id ,e.emp_name ,m.emp_name as manager_name,s.emp_name as  
senior_managername  
from emp as e join emp as m  
on m.emp_id= e.manager_id  
join emp as s  
on s.emp_id=m.manager_id  
order by e.emp_id;
```

Prepared by Harshita Dwivedi

```

378
379 • select e.emp_id ,e.emp_name ,m.emp_name as manager_name,s.emp_name as senior_managename
380 from emp as e join emp as m
381 on m.emp_id= e.manager_id
382 join emp as s
383 on s.emp_id=m.manager_id
384 order by e.emp_id;
385

```

100% 14:382 7 errors found

Result Grid Filter Rows: Search Export:

| | emp_id | emp_name | manager_name | senior_managename |
|-----|--------|----------|--------------|-------------------|
| ▶ 1 | Ankit | Rohit | Mohit | |
| 2 | Mohit | Mudit | Agam | |
| 3 | Vikas | Rohit | Mohit | |
| 4 | Rohit | Mohit | Mudit | |
| 5 | Mudit | Agam | Mohit | |
| 6 | Agam | Mohit | Mudit | |
| 7 | Sanjay | Mohit | Mudit | |
| 8 | Ashish | Mohit | Mudit | |
| 9 | Mukesh | Agam | Mohit | |
| 10 | Rakesh | Agam | Mohit | |

2. List the employees id,employees name along with their salary whose salary is greater than or equal to their manager salary.

```

select e.emp_id ,e.emp_name,m.emp_name as manager_name,e.salary
from emp as e
join emp as m
on m.emp_id= e.manager_id
where e.salary>=m.salary
order by e.emp_id;

```

```

386 • select e.emp_id ,e.emp_name,m.emp_name as manager_name,e.salary
387 from emp as e
388 join emp as m
389 on m.emp_id= e.manager_id
390 where e.salary>=m.salary
391 order by e.emp_id;
392

```

100% 14:387 7 errors found

Result Grid Filter Rows: Search Export:

| | emp_id | emp_name | manager_name | salary |
|-----|--------|----------|--------------|--------|
| ▶ 5 | Mudit | Agam | 20000 | |

3. List the employees name,age and senior managers name ,age where employee's age is more than senior manager's age.

```
select e.emp_name ,s.emp_name as senior_managername,e.emp_age,s.emp_age
from emp as e join emp as m
on m.emp_id= e.manager_id
join emp as s
on s.emp_id=m.manager_id
where e.emp_age >s.emp_age;
```

```
392
393 • select e.emp_name ,s.emp_name as senior_managername,e.emp_age,s.emp_age
394 from emp as e join emp as m
395 on m.emp_id= e.manager_id
396 join emp as s
397 on s.emp_id=m.manager_id
398 where e.emp_age >s.emp_age;
399
400
401
```

00% 1:400 7 errors found

Result Grid Filter Rows: Search Export:

| | emp_name | senior_managername | emp_age | emp_age |
|---|----------|--------------------|---------|---------|
| ► | Mudit | Mohit | 55 | 48 |
| | Mukesh | Mohit | 51 | 48 |
| | Rakesh | Mohit | 50 | 48 |
| | Mohit | Agam | 48 | 14 |