Given “**Employee**” table below, please write the following ***SQL statements*** :

**Employee**

|  |  |  |  |
| --- | --- | --- | --- |
| id | name | salary | manager\_id |
| 1 | John | 300 | 3 |
| 2 | Mike | 200 | 3 |
| 3 | Sally | 550 | 4 |
| 4 | Jane | 500 | 7 |
| 5 | Joe | 600 | 7 |
| 6 | Dan | 600 | 3 |
| 7 | Phil | 550 | NULL |
| … | … | … | … |

1. Give the names of employees, whose salaries are greater than their immediate managers’:

select name from employee e

where salary > (select salary from employee where id = e.manager\_id)

1. What is the average salary of employees who do not manage anyone? In the sample above, that would be John, Mike, Joe and Dan, since they do not have anyone reporting to them.

select sum(salary)/count(1) from employee e

where not exists (select 1 from employee where manager\_id = e.id)

select avg(salary) from employee e

where not exists (select 1 from where manager\_id = e.id)