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 distinct e.name, e.salary, mgr.name,mgr.manager\_id from Employee e, Employee mgr

where e.manager\_id=mgr.id and e.salary>mgr.salary

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 avg(e.salary) from Employee e

where e.id not in (SELECT DISTINCT manager\_id FROM Employee where manager\_id is not null)