

Employee who are getting more salary than their manager

Problem: We will see how to find employee who are getting more salary than their manager

Input Table:

	EMP_ID	EMP_NAME	SALARY	MANAGER_ID
1	1	Sameer	5000	4
2	2	Abhijit	20000	4
3	3	Amol	20000	1
4	4	Rohit	15000	NULL
5	5	Sachin	30000	2
6	6	Dinesh	10000	1

Desired Output:

	EMP_ID	EMP_NAME	MANAGER_ID	MANAGER_NAME	MANAGER_SALARY	SALARY
1	6	Dinesh	1	Sameer	5000	10000
2	3	Amol	1	Sameer	5000	20000
3	5	Sachin	2	Abhijit	20000	30000
4	2	Abhijit	4	Rohit	15000	20000

Solution_1: Use Group BY and Window function

SELECT

E.EMP_ID,
E.EMP_NAME,
E.MANAGER_ID,
M.EMP_NAME AS MANAGER_NAME,
M.SALARY AS MANAGER_SALARY,
E.SALARY

FROM DBO.TBL_EM E

INNER JOIN DBO.TBL_EM M

ON E.MANAGER_ID=M.EMP_ID AND M.SALARY<E.SALARY;

Table Creation script:

```
DROP TABLE IF EXISTS DBO.TBL_EM;  
GO  
CREATE TABLE DBO.TBL_EM  
(  
    EMP_ID INT NOT NULL,  
    EMP_NAME VARCHAR(50) NOT NULL,  
    SALARY INT NOT NULL,  
    MANAGER_ID INT NULL  
);  
GO  
INSERT INTO dbo.TBL_EM  
VALUES(1, 'Sameer', 5000, 4),  
(2, 'Abhijit', 20000, 4),  
(3, 'Amol', 20000, 1),  
(4, 'Rohit', 15000, null),  
(5, 'Sachin', 30000, 2),  
(6, 'Dinesh', 10000, 1);  
GO  
SELECT * FROM dbo.TBL_EM;  
GO
```