

## Task -2 SQL

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**#Who earns the most?**

```
SELECT
    Emp_Name, SUM(bonus + salary) AS Remuneration
FROM
    employees
GROUP BY Emp_Name
ORDER BY Remuneration DESC
LIMIT 1;
```

**#Who is the boss?**

```
SELECT Emp_Name, Salary, Bonus
FROM
    employees
WHERE Mgr_ID=0
```

**#Who works with colleague Baker in the same branch?**

```
SELECT e.Emp_Name, d.Dept_name
from employees e
inner join department d
on e.Dept_ID = d.Dept_ID
WHERE e.Dept_ID = "B"
AND e.Emp_name NOT IN ( SELECT e.Emp_Name
from employees e
inner join department d
on e.Dept_ID = d.Dept_ID
WHERE e.Emp_Name = "Baker")
```

**#Who works with their Supervisor in the same branch?**

```
SELECT d.Dept_ID, d.Dept_name, e.Emp_Name
from employees e
inner join department d
on e.Dept_ID = d.Dept_ID
WHERE e.Emp_name NOT IN ( SELECT e.Emp_Name
from employees e
inner join department d
on e.Dept_ID = d.Dept_ID
WHERE e.Bonus != 0)
ORDER BY d.Dept_ID
```

**#Who doesn't work in Dallas or New York?**

```
SELECT
    e.Emp_Name, d.Location, e.Mgr_ID
FROM
    employees e
    INNER JOIN
    department d ON e.Dept_ID = d.Dept_ID
WHERE
    e.Emp_name NOT IN (SELECT
        e.Emp_Name
    FROM
        employees e
        INNER JOIN
        department d ON e.Dept_ID = d.Dept_ID
    WHERE
        d.Location = 'Dallas'
        OR d.Location = 'New York')
```

**#Who works in a branch office that is managed by Mr. Anderson?**

```
SELECT
    e.Emp_Name, d.Dept_Name, d.Location
FROM
    employees e
    INNER JOIN
    department d ON e.Dept_ID = d.Dept_ID
WHERE
    e.Dept_ID = 'B'
    AND e.Emp_Name != 'Anderson'
```

**#Who pays their employees the most on average?**

```
SELECT s.Dept_Name,
    AVG(s.Remuneration) AS Average_Salary
FROM
    (SELECT
        e.Emp_Name,
        d.Dept_Name,
        (e.bonus + e.salary) AS 'Remuneration'
    FROM
        employees e
        INNER JOIN department d ON e.Dept_ID = d.Dept_ID
    GROUP BY E.Emp_Name) s
    GROUP BY s.dept_name
ORDER BY Average_Salary DESC
```

**#Who is the supervisor of another employee?**

```
SELECT e.Emp_Name, d.Dept_Name
from employees e
inner join department d
on e.Dept_ID = d.Dept_ID
WHERE e.Bonus != 0
```

**#Who are the top earners per branch office?**

```
With z AS
    (SELECT
        d.Dept_Name, e.Emp_Name, (e.bonus + e.salary) AS 'Remuneration'
    FROM
        employees e
    INNER JOIN department d ON e.Dept_ID = d.Dept_ID
    GROUP BY E.Emp_Name, d.Dept_Name
    ORDER BY Remuneration DESC
    )
Select z.Emp_name, z.Dept_name, z.Remuneration
From z
group by z.Dept_name
    HAVING COUNT(DISTINCT(z.Dept_name)) <= 1
ORDER BY z.Remuneration DESC
```