1. Select p1.First\_Name, p1.Last\_Name, Count(p2.Employee\_ID) as Qty

From Employees p1

Self Join Employees p2

On p1.Manager ID = p2.Employee\_ID

Group by p1.First\_Name, p1.Last\_Name

Having Count(p2.Employee\_ID)>6

1. Select p1.Department\_Name, mx, mn

From Departments p1

Left Join

(Select Department\_ID, MAX(Salary- Salary\*Comission\_ptc/100) as mx, MIN(Salary- Salary\*Comission\_ptc/100) as mn

From Employees

Group by Department\_ID) p1

On p1.Department\_ID=p2. Department\_ID

1. Select Region\_Name

From Regions R

Join

(

Select\*

From

(Select C.Region\_ID, count(cnt3) as cnt4, max(count(cnt3)) over () as mx

From Countries C

Join

(Select L.Counrty\_ID, count(cnt2) as cnt3

From Locations L

Join

(Select D.Location\_ID, count(cnt1) as cnt2

From Departments D

Join

(Select Department\_ID, count(1) as cnt1

From Employees

Group by Department\_ID) E

On D.Department\_ID=E.Department\_ID

Group by D.Location\_ID)p1

On L.Location\_ID=p1.Location\_ID

Group by L.Counrty\_ID)p2

On C. Counrty\_ID=p2. Counrty\_ID

Group by C.Region\_ID)p3

Where cnt4=mx)p4

On R.Region\_ID=p4. Region \_ID

1. Select p1.Department\_Name, p2. difference

From Departments p1

Join

(Select Department\_ID, Round((100- (Select AVG (Salary) from Employees) \*100/ AVG(Salary)),2) as difference

From Employees

Group by Department\_ID) p2

On p1. Department\_ID=p2. Department\_ID

1. Select First\_Name, Last\_name

From Employees p1

Join

(Select Employee\_ID, Datediff (year, Start-Date, End-Date) as diff

From Job\_Histoty

Where Datediff (year, Start-Date, End-Date)>10) p2

On p1. Employee\_ID=p2. Employee\_ID

1. Select First\_Name, Last\_Name

From

(Select First\_Name, Last\_Name, Salary, Dense\_Rank() over (order by Salary desc) as rnk

From Employees

Group by First\_Name, Last\_Name) p1

Where rnk between 5 and 10