

Table 1: Employee : Columns EMP_ID EMPNAME SAL DEPT_ID SAL_DATE

Table 2: DEPT : Columns DEPT_ID DEPT_NAME

1) Get the output DEPT NAME, sum of SAL

2) O/P EMP_NAME, DEPT_NAME, SAL Filter : EMP Having same sal But they belong to diff dept

3) Max of sal for each month. Please note all employees are not paid on same date.

1) Get the output DEPT NAME, sum of SAL

```
-----  
Select deptname, sum(salary)  
From emp e inner join dept d  
on(e.deptid = d.depid)  
group by deptname;  
/
```

O/P EMP_NAME, DEPT_NAME, SAL Filter : EMP Having same sal But they belong to diff dept

```
Select deptname, empname, salary  
From emp e inner join dept d  
on(e.deptid = d.depid)  
where (salary , deptid) not in (select salary ,deptid  
                                From  
                                (  
                                Select salary ,dept_id ,  
row_number () over (partition by dept_id,salary order by dept_id ,  
salary) rk  
from emp  
)  
where rk =2  
))
```

3) Max of sal for each month. Please note all employees are not paid on same date.

```
-----  
select max(salary ), trunc(salary_date, 'MM') sal_month  
From emp  
group by trunc(salary_date, 'MM')
```

/

```
DEPOSIT --  
FACT table  
ACCT DATE    BAL AGG BAL  
123 01-AUG  50 50
```

```
123 02-AUG 20 70
123 03-AUG 10 80 )
```

```
select
```

```
"
Select acc, date, Sum(bal) over (order by acc, date) from account;
"
```

```
deptname; /21:31
```

```
O/P EMP_NAME, DEPT_NAME, SAL Filter : EMP Having same sal But they belong
to diff dept Select deptname, empname, salary From emp e inner join dept
d on(e.deptid = d.depid) where (salary , deptid) not in (select salary
,deptid From ( Select salary ,dept_id , row_number () over (partition by
dept_id,salary order by dept_id , salary) rk from emp ) where rk =2
))21:39
```

```
3) Max of sal for each month. Please note all employees are not paid on
same date. -----
```

```
----- select max(salary ), trunc(salary_date, 'MM')
sal_month From emp group by trunc(salary_date, 'MM')21:41
```

```
from Ravi Paidimarri to Manikandan G (privately):
```

```
DEPOSIT -- FACT table
```

```
ACCT DATE      BAL AGG BAL
123 01-AUG     50  50
123 02-AUG     20  70
123 03-AUG     10  80 1) What is the transformation rule for AGG BAL21:41
```

```
ACCT DATE      BAL AGG BAL
123 02-AUG     20  70
123 03-AUG     10  80
123 04-AUG     40 120
```

```
Select acc, date , lag(agg_bal,1) over(dpartiotin by acct order by date )
+ bal
from acct
```

```
What is the transformation rule for AGG BAL
```