--#1 Calendar year wise number of calls

Select

Date\_Dimension.Calendar\_Year, SUM(Number\_of\_Calls) Sum\_Number\_of\_Calls

from

Billing\_Fact

Join

Date\_Dimension on Date\_Dimension.Date\_Key = Billing\_Fact.Date\_Key

Group by

Date\_Dimension.Calendar\_Year

order by Calendar\_Year

--#2 Month wise call usage details in year 2018.

Select

Date\_Dimension.Calendar\_Year, Date\_Dimension.Calendar\_Year\_Month ,

SUM( Billing\_Fact.Total\_Minutes)Total\_Minutes

from

Billing\_Fact

Join

Date\_Dimension on Date\_Dimension.Date\_Key = Billing\_Fact.Date\_Key

Where

Date\_Dimension.Calendar\_Year = 2018

Group by

Date\_Dimension.Calendar\_Year,Date\_Dimension.Calendar\_Year\_Month;

select Date\_Dimension.Calendar\_Year, Date\_Dimension.Calendar\_Year\_Month ,

round(SUM( Billing\_Fact.Total\_Minutes),0,0) Total\_Minutes from Billing\_Fact join Date\_Dimension

on Date\_Dimension.Date\_Key = Billing\_Fact.Date\_Key

Where

Date\_Dimension.Calendar\_Year = 2018

Group by

Date\_Dimension.Calendar\_Year,Date\_Dimension.Calendar\_Year\_Month;

--#3March month’s best rate plan in use in terms of minutes of usage in last 3 years

Select

SUM( Billing\_Fact.Total\_Minutes)Total\_Minutes, Rate\_Plan\_Dimension.Plan\_Name,

Date\_Dimension.Calendar\_Year, Date\_Dimension.Calendar\_Year\_Month

from

Billing\_Fact

Join

Date\_Dimension on Date\_Dimension.Date\_Key = Billing\_Fact.Date\_Key

Join

Rate\_Plan\_Dimension on Rate\_Plan\_Dimension.Plan\_Key = Billing\_Fact.Plan\_Key

Where

Plan\_Name in ('Executive\_50', 'Flexi\_50') and Calendar\_Year\_Month = 3

and Calendar\_Year in (2019,2018,2017)

Group By

Rate\_Plan\_Dimension.Plan\_Name,Date\_Dimension.Calendar\_Year, Date\_Dimension.Calendar\_Year\_Month

Order by

Rate\_Plan\_Dimension.Plan\_Name

select SUM( Billing\_Fact.Total\_Minutes)Total\_Minutes,Rate\_Plan\_Dimension.Plan\_Name,Date\_Dimension.Calendar\_Year,

Date\_Dimension.Calendar\_Year\_Month

from

Billing\_Fact

Join

Date\_Dimension on Date\_Dimension.Date\_Key = Billing\_Fact.Date\_Key

Join

Rate\_Plan\_Dimension on Rate\_Plan\_Dimension.Plan\_Key = Billing\_Fact.Plan\_Key

Where

Plan\_Name in ('Executive\_50', 'Flexi\_50') and Calendar\_Year\_Month = 3

and Calendar\_Year in (2019,2018,2017)

Group By

Rate\_Plan\_Dimension.Plan\_Name,Date\_Dimension.Calendar\_Year, Date\_Dimension.Calendar\_Year\_Month

order by Calendar\_Year

select \* from Rate\_Plan\_Dimension

Select

Date\_Dimension.Calendar\_Year, COUNT( Billing\_Fact.Number\_of\_Calls) SUM\_Number\_of\_Calls

from

Billing\_Fact

Join

Date\_Dimension on Date\_Dimension.Date\_Key = Billing\_Fact.Date\_Key

Group by

Date\_Dimension.Calendar\_Year;

Select sum(Number\_of\_Calls) as Number\_of\_Calls ,Calendar\_Year,TERMINATION\_TYPE

from Billing\_Fact join Date\_Dimension

on Billing\_Fact.DATE\_KEY=Date\_Dimension.Date\_Key

join Call\_Termination\_Dimension on

Call\_Termination\_Dimension.Termination\_key=Billing\_Fact.Termination\_key

where TERMINATION\_TYPE = 'ABNORMAL'

group by Calendar\_Year,TERMINATION\_TYPE

Select sum(Number\_of\_Calls) as Number\_of\_Calls ,Calendar\_Year,TERMINATION\_TYPE

from Billing\_Fact join Date\_Dimension

on Billing\_Fact.DATE\_KEY=Date\_Dimension.Date\_Key

join Call\_Termination\_Dimension on

Call\_Termination\_Dimension.Termination\_key=Billing\_Fact.Termination\_key

where TERMINATION\_TYPE = 'ABNORMAL'

group by Calendar\_Year,TERMINATION\_TYPE

Select sum(Number\_of\_Calls) as Number\_of\_Calls ,Calendar\_Year,TERMINATION\_TYPE

from Billing\_Fact left join Date\_Dimension

on Billing\_Fact.DATE\_KEY=Date\_Dimension.Date\_Key

left join Call\_Termination\_Dimension on

Call\_Termination\_Dimension.Termination\_key=Billing\_Fact.Termination\_key

where TERMINATION\_TYPE in ('NORMAL', 'ABNORMAL')

group by Calendar\_Year,TERMINATION\_TYPE

Select Calendar\_Year,TERMINATION\_TYPE,sum(Total\_Minutes) as Number\_of\_Calls

from Billing\_Fact left join Date\_Dimension

on Billing\_Fact.DATE\_KEY=Date\_Dimension.Date\_Key

left join Call\_Termination\_Dimension on

Call\_Termination\_Dimension.Termination\_key=Billing\_Fact.Termination\_key

where TERMINATION\_TYPE in ('ABNORMAL','NORMAL')

group by Calendar\_Year,TERMINATION\_TYPE

order by Calendar\_Year,TERMINATION\_TYPE

Select \* from Billing\_Fact

Select \* from Date\_Dimension

Select Calendar\_Year,round(sum(Service\_tax),6,0) Service\_tax,round(sum(Surcharge),6,0)

Surcharge

from Billing\_Fact join Date\_Dimension

on Billing\_Fact.DATE\_KEY=Date\_Dimension.Date\_Key

group by Calendar\_Year

order by Calendar\_Year

Select \*

from Billing\_Fact left join Date\_Dimension

on Billing\_Fact.DATE\_KEY=Date\_Dimension.Date\_Key

select \* from Billing\_Fact

select \* from Call\_Termination\_Dimension

select \* from Customer\_Details\_Dimension

select count(\*),

Cust\_Key, Cust\_Name, Cust\_Age ,Gender, Cust\_City, Cust\_State, Cust\_Zip

from Customer\_Details\_Dimension

group by

Cust\_Key, Cust\_Name, Cust\_Age ,Gender, Cust\_City, Cust\_State, Cust\_Zip

having count(\*)>1

select count(\*), datepart(YYYY,Date\_val) from Date\_Dimension

group by datepart(YYYY,Date\_val)

select \* from Date\_Dimension

--info related to equipments

select \* from Equipment\_Dimension

--related to feature

select \* from Feature\_Dimension

--

select \* from Numbering\_Plan\_Dimension

---

select \* from Rate\_Plan\_Dimension

---

Select

Date\_Dimension.Calendar\_Year, SUM(Number\_of\_Calls) Sum\_Number\_of\_Calls

from

Billing\_Fact

join Join

Date\_Dimension on Date\_Dimension.Date\_Key = Billing\_Fact.Date\_Key

Group by

Date\_Dimension.Calendar\_Year

order by Calendar\_Year

select \* from Billing\_Fact

Select Calendar\_Year,round(sum(Service\_tax),6,0) Service\_tax,round(sum(Surcharge),6,0)

Surcharge

from Billing\_Fact join Date\_Dimension

on Billing\_Fact.DATE\_KEY=Date\_Dimension.Date\_Key

group by Calendar\_Year

order by Calendar\_Year