1.

**use** finacel;

**select** \* **from** transactions

**where** **monthname**(transaction\_date) ='February'

**and** **year**(transaction\_date)=2018 **and** status='shipped'

2.

**use finacel;**

**select \* from** transactions

**where time(**transaction\_date**)>='00:00:00'**

**and time(**transaction\_date**)<'09:00:00';**

3.

**use** finacel;

**select** \* **from** transactions a

**where** transaction\_date=(

**select** **max**(transaction\_date)

**from** transactions b

**where** a.vendor = b.vendor);

4.

**use** finacel;

**select** \* **from** transactions a

**where** transaction\_date=(

**select** transaction\_date

**from** transactions b

**where** a.vendor = b.vendor

**order** **by** transaction\_date desc

**limit** 1,1);

5.

**use** finacel;

**select** \* , **count**(transaction\_date) as jumlah

**from** transactions

**where** status='cancelled'

**group** **by** transaction\_date;

6.

**use** finacel;

**select** customer\_id, **count**(customer\_id) **as** jumlah

**from** transactions

**where** status='shipped'

**group by** customer\_id

**having count**(customer\_id)>=2;

7.

**use** finacel;

**select** vendor, count(status) as 'Total Transaction',

**case**

**when** **count**(status ='shipped')>=2 **and** **count**(status='cancelled')=0 **then** 'Superb'

**when** **count**(status ='shipped')>=2 **and** **count**(status='cancelled')>=1 **then** 'Good'

**else** 'Normal'

**end** **as** Category

**from** transactions

**group** **by** vendor

**order** **by** category;

8.

**use** finacel;

**select**

**extract**(**hour** **from** transaction\_date) **as** 'Hour of the Day',

**count**(transaction\_date) **as** 'Total Transaction'

**from** transactions

**group** **by** **extract**(**hour** **from** transaction\_date);

9.

use finacel;

select date(transaction\_date) as 'Date',

count(status) as Shipped,COUNT(status) as CANCELLED,

COUNT(status) as PROCESSING

FROM transactions

10.

**SELECT AVG**(**datediff**( transaction\_date,(**select** transaction\_date **FROM** transactions **LIMIT** 1,1) )) **as**

'Average Interval',

**min**(**datediff**( transaction\_date,(**select** transaction\_date **FROM** transactions **LIMIT** 1,1) )) **as**

'Minimum Interval',

**max**(**datediff**( transaction\_date,(**select** transaction\_date **FROM** transactions **LIMIT** 1,1) )) **as**

'Maximum Interval'

**from** transactions;

Transactions-details

1.

**use** finacel;

**select** product\_name, quantity\*price **as** Value,

**case**

**when** quantity <=100 **then** (quantity\*price)\*0.02

**else** (quantity\*price)\*0.04

**end as** 'Distributor Commission'

**from** transactions\_details;

2.

**use** finacel;

**select** **sum**(quantity) **as** total\_quantity

**from** transactions\_details

**where** product\_name **like** '%Indomie%';

3

**use** finacel;

**select** product\_name **as** 'Product Name',

**max**(trx\_id) **as** 'Last transaction'

**from** transactions\_details

**group** **by** product\_name

**order** **by** trx\_id asc;