create database P942;

use P942;

create table Orders(

order\_id text,

customer\_id text,

order\_status text,

order\_purchase\_timestamp text,

order\_approved\_at text,

order\_delivered\_carrier\_date text,

order\_delivered\_customer\_date text,

order\_estimated\_delivery\_datel text);

alter table Orders add column Dayname text,

add column Daytype text;

alter table orders add column Average\_days text;

set global local\_infile=on;

TRUNCATE TABLE Orders;

into table Orders

FIELDS TERMINATED BY ','

ENCLOSED BY '"'

LINES TERMINATED BY '\r\n'

IGNORE 1 rows;

select \* from orders;

create table Customers(

customer\_id text,

customer\_unique\_id text,

customer\_zip\_code\_prefix text,

customer\_city text,

customer\_state text,

country text);

into TABLE customers

FIELDS TERMINATED BY ','

ENCLOSED BY '"'

LINES TERMINATED BY '\r\n'

IGNORE 1 ROWS;

create table Orders\_items(

order\_id text,

order\_item\_id text,

product\_id text,

seller\_id text,

shipping\_limit\_date text,

price text,

freight\_value text);

into TABLE Orders\_items

FIELDS TERMINATED BY ','

ENCLOSED BY '"'

LINES TERMINATED BY '\r\n'

IGNORE 1 ROWS;

create table Products(

product\_id text,

product\_category\_name text,

product\_name\_length text,

product\_description\_length text,

product\_photos\_qty text,

product\_weight\_g text,

product\_length\_cm text,

product\_height\_cm text,

product\_width\_cm text);

into table Products

FIELDS TERMINATED BY ','

ENCLOSED BY '"'

LINES TERMINATED BY '\r\n'

IGNORE 1 rows;

CREATE TABLE Payments(order\_id text,

payment\_sequential text,

payment\_type text,

payment\_installments text,

payment\_value text);

INTO TABLE Payments

FIELDS TERMINATED BY ','

ENCLOSED BY '"'

LINES TERMINATED BY '\r\n'

IGNORE 1 rows;

CREATE TABLE Reviews(

review\_id text,

order\_id text,

review\_score text,

review\_comment\_title text,

review\_comment\_message text,

review\_creation\_date text,

review\_answer\_timestamp text

);

into TABLE Reviews

FIELDS TERMINATED BY ','

ENCLOSED BY '"'

LINES TERMINATED BY '\r\n'

IGNORE 1 rows;

-- KPI'

-- FIRST KPI

select o.Daytype, p.payment\_type,concat(round(count(p.order\_id)/1000,1),"k") as Orders\_count,

CASE

WHEN SUM(p.payment\_value) >= 1000000 THEN CONCAT(ROUND(SUM(p.payment\_value)/1000000, 1),'M')

WHEN SUM(p.payment\_value) >= 1000 THEN CONCAT(ROUND(SUM(p.payment\_value)/1000, 1), 'k')

ELSE ROUND(SUM(p.payment\_value), 0) END AS Total\_Payment,

round(Avg(p.payment\_value),0) as Average\_payment from Payments as p

inner join Orders as o on p.order\_id=o.order\_id WHERE p.payment\_type != 'not\_defined'

group by o.Daytype,p.payment\_type order by Daytype DESC;

-- second KPI

select concat(round(count(o.order\_id)/1000,1),"k") as 5\_Star\_CreditCard\_Orders

from orders o inner join payments p on o.order\_id=p.order\_id

inner join reviews r on o.order\_id=r.order\_id

where p.payment\_type="credit\_card" and r.review\_score=5;

-- Third KPI

select concat(round(avg(o.average\_days),0)," Days") as Avg\_DeliveryTime\_PetShop

from orders\_items oi inner join products p on oi.product\_id=p.product\_id

inner join Orders o on oi.order\_id=o.order\_id

where p.product\_category\_name="pet\_shop";

-- Fourth KPI

select c.country as country,round(avg(oi.price),0) as avgerage\_price,

round(avg(p.payment\_value),0) as average\_payment

from Orders o inner join customers c on o.customer\_id=c.customer\_id

inner join orders\_items oi on o.order\_id=oi.order\_id

inner join payments p on o.order\_id=p.order\_id

group by c.country;

-- 5th KPI

select concat(r.review\_score," Stars") as review\_score,

concat(round(avg(o.average\_days),0)," Days") as average\_Delivery

from reviews r inner join orders o on r.order\_id=o.order\_id

group by r.review\_score order by r.review\_score desc;