KPIs

1.
```
select cast(sum(quantity) as decimal(10,2))/cast(count(distinct(order_id)) as decimal(10,2)) as
Avg_Pizza_Order
from Pizza_sales ;
```
2.
```
select pizza_name,sum(quantity) as total_quantity
from pizza_sales
group by pizza_name
order by total_quantity desc
limit 5 ;
```

pizza_name	total_quantity
The Classic Deluxe Pizza	2453
The Barbecue Chicken Pizza	2432
The Hawaiian Pizza	2422
The Pepperoni Pizza	2418
The Thai Chicken Pizza	2371

3.
```
select pizza_name,sum(total_price) as Total_revenue
from pizza_sales
group by pizza_name
order by Total_revenue desc
limit 5 ;
```

pizza_name	Total_revenue
The Thai Chicken Pizza	43434.25
The Barbecue Chicken Pizza	42768
The California Chicken Pizza	41409.5
The Classic Deluxe Pizza	38180.5
The Spicy Italian Pizza	34831.25

4.
```
select
        pizza_size,
        sum(quantity) * 100 /(select sum(quantity) from pizza_sales where
quarter(str_to_date(order_date, '%d-%m-%Y')) = 1) as Percentage
from pizza_sales
where quarter(str_to_date(order_date, '%d-%m-%Y')) = 1
group by
        pizza_size
order by Percentage desc;
```

pizza_size	Percentage
L	38.6381885338044
M	30.78528986670949
S	29.476473422193674
XL	1.0358117873775494
XXL	0.06423638991488678

5.
```
select
        pizza_category,
```

```
        sum(quantity) * 100 /(select sum(quantity) from pizza_sales) as Percentage
from pizza_sales
where month(str_to_date(order_date, '%d-%m-%Y')) = 1
group by
        pizza_category ;
```

pizza_category	Percentage
Classic	2.5356033404607254
Veggie	2.053495784080365
Supreme	2.105942631217977
Chicken	1.8416912091015452

```
6.select
        pizza_category,
        sum(quantity) * 100 /(select sum(quantity) from pizza_sales) as Percentage
from pizza_sales
group by
        pizza_category ;
```

pizza_category	Percentage
Classic	30.03187154556824
Veggie	23.498204704078752
Supreme	24.180013716867713
Chicken	22.289910033485295

```
SELECT
   SUM(total_price) AS total_revenue,
   month(STR_TO_DATE(order_date, '%d-%m-%Y')) AS order_month,
   COUNT(DISTINCT order_id) AS total_orders
FROM
   pizza_sales
GROUP BY
   month(STR_TO_DATE(order_date, '%d-%m-%Y'))  ;
```

total_revenue	order_month	total_orders
69793.2999999999	1	1845
65159.59999999992	2	1685
70397.09999999989	3	1840
68736.79999999987	4	1799
71402.74999999988	5	1853
68230.19999999992	6	1773
72557.89999999986	7	1935
68278.24999999991	8	1841
64180.04999999995	9	1661
64027.59999999992	10	1646
70395.3499999999	11	1792
64701.149999999936	12	1680

```
SELECT
```

```
    SUM(total_price) AS total_revenue,
    dayofweek(STR_TO_DATE(order_date, '%d-%m-%Y')) AS order_day,
    COUNT(DISTINCT order_id) AS total_orders
FROM
    pizza_sales
GROUP BY
    dayofweek(STR_TO_DATE(order_date, '%d-%m-%Y'))
    ;
```

total_revenue	order_day	total_orders
99203.49999999965	1	2624
107329.54999999964	2	2794
114133.79999999951	3	2973
114408.39999999953	4	3024
123528.49999999945	5	3239
136073.8999999995	6	3538
123182.3999999995	7	3158

ETL

1. select *

```
from
        pizza_sales
where
        STR_TO_DATE(order_date, '%d-%m-%Y') is NULL ;
Update pizza_sales
set order_date = date_format(
```

```
str_to_date(Replace(order_date,'/','-'), '%d-%m-%Y'),
'%d-%m-%Y')
where str_to_date(Replace(order_date,'/','-'),'%d-%m-%Y') is not null ;
```

2.
```
select *
from
        pizza_sales
where
        STR_TO_DATE(order_date, '%d-%m-%Y') is NULL ;
```