

# SPECIAL PIZZA

Please Review my project  
based on pizza sales



# CALCULATE TOTAL REVENUE GENERATE FROM PIZZA SALES

```
select round(sum(quantity *p.price),2) as Total_Sales from order_details  
od join pizzas p on od.pizza_id = p.pizza_id;
```

TOTAL\_SALES

'817860.05'

RETRIEVE THE TOTAL NUMBER OF ORDERS PLACED

SELECT COUNT(ORDER\_ID) TOTAL\_NUMBER\_OF\_ORDERS FROM ORDERS;

TOTAL\_NUMBER\_OF\_ORDERS

'22158'

## IDENTIFY THE HIGHEST PRIZE PIZZA.

```
SELECT PT.NAME , P.PRICE FROM PIZZA_TYPES PT JOIN PIZZAS P ON  
PT.PIZZA_TYPE_ID = P.PIZZA_TYPE_ID ORDER BY P.PRICE DESC LIMIT 1;
```

<u>NAME</u>	<u>PRICE</u>
'THE GREEK PIZZA',	'35.95'

**IDENTIFY THE MOST COMMON PIZZA SIZE ORDERED.**

```
SELECT P.SIZE, SUM(QUANTITY) AS NUMBER_OF_ORDERS FROM PIZZAS P JOIN  
ORDER_DETAILS OD ON P.PIZZA_ID = OD.PIZZA_ID GROUP BY P.SIZE ORDER BY  
COUNT(QUANTITY) DESC LIMIT 1;
```

**SIZE - NUMBER\_OF\_ORDERS**

'L',

'18956'

# CATEGORIES WISE DISCTRIBUTION OF PIZZAS TYPES

SELECT CATEGORY,COUNT(CATEGORY) FROM PIZZA\_TYPES GROUP BY CATEGORY;

CATEGORY, COUNT(CATEGORY)

'SUPREME'                    '9'

'VEGGIE'                    '9'

'CLASSIC'                    '8'

'CHICKEN'                    '6'

## LIST TOP 5 MOST ORDERED PIZZA TYPES ALONG WITH THEIR QUANTITIES

```
SELECT PT.NAME , SUM(OD.QUANTITY) QUANTITIES FROM PIZZA_TYPES PT JOIN PIZZAS P ON PT.PIZZA_TYPE_ID = P.PIZZA_TYPE_ID JOIN ORDER_DETAILS OD ON P.PIZZA_ID = OD.PIZZA_ID GROUP BY PT.NAME ORDER BY SUM(OD.QUANTITY) DESC LIMIT 5;
```

<u>NAME</u>	<u>QUANTITIES</u>
'THE CLASSIC DELUXE PIZZA',	'2453'
'THE BARBECUE CHICKEN PIZZA',	'2432'
'THE HAWAIIAN PIZZA',	'2422'
'THE PEPPERONI PIZZA',	'2418'
'THE THAI CHICKEN PIZZA',	'2371'

## DETERMINE THE DISTRIBUTION OF ORDERS BY HOUR OF THE DAY

```
SELECT HOUR(TIME) AS HOUR ,COUNT(ORDER_ID) AS ORDER_COUNT FROM ORDERS  
GROUP BY HOUR(TIME) ORDER BY COUNT(ORDER_ID);
```

<u>HOUR</u>	<u>ORDER_COUNT</u>
-------------	--------------------

9	1
10	8
-----	
12	2625

# JOIN THE NECESSARY TABLES TO FIND THE TOTAL QUANTITY OF EACH PIZZA

## CATEGORY ORDERED

```
SELECT PT.CATEGORY , SUM(OD.QUANTITY) QUANTITIES FROM PIZZA_TYPES PT JOIN  
PIZZAS P ON PT.PIZZA_TYPE_ID = P.PIZZA_TYPE_ID JOIN ORDER_DETAILS OD ON  
P.PIZZA_ID = OD.PIZZA_ID  
GROUP BY PT.CATEGORY ORDER BY SUM(OD.QUANTITY) DESC;
```

### CATEGORY      QUANTITIES

CLASSIC	14888
SUPREME	11987
VEGGIE	11649
CHICKEN	11050

FIND OUT THE AVERAGE OF QUANTITY SOLD PER DAY.

```
SELECT ROUND(AVG(QUANTITY),2) AS AVERAGE_QUANTITY FROM  
(SELECT (O.DATE) , SUM(OD.QUANTITY) AS QUANTITY FROM ORDERS O JOIN  
ORDER_DETAILS OD ON O.ORDER_ID = OD.ORDER_ID GROUP BY (O.DATE)) AS  
ORDER_QUANTITY;
```

AVERAGE\_QUANTITY

'143.69'

## DETERMINE THE TOP 3 MOST ORDERED PIZZA TYPES BASED ON REVENUE

```
SELECT PT.NAME AS PIZZA_TYPES, ROUND(SUM(OD.QUANTITY*P.PRICE),0) AS TOTAL_REVENUE  
FROM PIZZA_TYPES PT JOIN PIZZAS P ON PT.PIZZA_TYPE_ID = P.PIZZA_TYPE_ID JOIN  
ORDER_DETAILS OD ON P.PIZZA_ID = OD.PIZZA_ID GROUP BY PT.NAME ORDER BY  
SUM(OD.QUANTITY*P.PRICE) DESC LIMIT 3;
```

### PIZZA\_TYPES, TOTAL\_REVENUE

THE THAI CHICKEN PIZZA	43434
THE BARBECUE CHICKEN PIZZA	42768
THE CALIFORNIA CHICKEN PIZZA'	41410

# CALLCULATE THE PERCENTAGE CONTRIBUTION OF EACH PIZZA TYPE TO TOTAL REVENUE.

```
SELECT PT.CATEGORY , ROUND(SUM(OD.QUANTITY*P.PRICE)/(SELECT (SUM(QUANTITY*PRICE)) FROM PIZZAS P JOIN ORDER_DETAILS OD ON P.PIZZA_ID = OD.PIZZA_ID)*100,1) AS CONTRIBUTION  
FROM PIZZA_TYPES PT JOIN PIZZAS P ON PT.PIZZA_TYPE_ID = P.PIZZA_TYPE_ID JOIN ORDER_DETAILS OD ON P.PIZZA_ID = OD.PIZZA_ID GROUP BY PT.CATEGORY;
```

<u>PIZZA_TYPES</u>	<u>TOTAL_REVENUE</u>
THE THAI CHICKEN PIZZA	43434
THE BARBECUE CHICKEN PIZZA	42768
THE CALIFORNIA CHICKEN PIZZA	41410

## ANALYZE THE CUMULATIVE REVENUE GENERATED OVER TIME

```
SELECT DATE , SUM(REVENUE) OVER(ORDER BY DATE) AS CUM_REVENUE FROM
(SELECT O.DATE, SUM(OD.QUANTITY*P.PRICE) REVENUE FROM PIZZAS P JOIN ORDER_DETAILS OD ON
P.PIZZA_ID = OD.PIZZA_ID JOIN ORDERS O ON OD.ORDER_ID = O.ORDER_ID GROUP BY
O.DATE ORDER BY O.DATE) AS SALES;
```

<u>DATE</u>	<u>CUM_REVENUE</u>
01-01-2015	5427.7
-----	
31-12-2015	848750.0

# DETERMINE THE TOP 3 MOST ORDERED PIZZA TYPES BASED ON REVENUE FOR EACH PIZZA CATEGORY.

```
SELECT CATEGORY, NAME, REVENUE , RN FROM (SELECT CATEGORY, NAME, REVENUE , RANK() OVER  
(PARTITION BY CATEGORY ORDER BY REVENUE DESC) AS RN FROM (SELECT PT.CATEGORY, PT.NAME ,  
SUM(OD.QUANTITY*P.PRICE) AS REVENUE FROM PIZZA_TYPES PT JOIN PIZZAS P ON PT.PIZZA_TYPE_ID  
= P.PIZZA_TYPE_ID JOIN ORDER_DETAILS OD ON OD.PIZZA_ID = P.PIZZA_ID GROUP BY PT.CATEGORY,  
PT.NAME) AS A) AS B WHERE RN<=3;
```

CATEGORY	NAME	REVENUE	RN
CHICKEN	THE THAI CHICKEN PIZZA	43434.25	1
	-----	-----	