

# PROJECT REPORT

PROJECT TITLE

## **ORDER PATTERN OF CUSTOMER ANALYSIS**

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```

CREATE TABLE introtallent.swiggy (
    id INT,
    cust_id VARCHAR(20),
    order_id INT,
    partner_code INT,
    outlet VARCHAR(20),
    bill_amount FLOAT,
    order_date DATE,
    Comments VARCHAR(20)
);

select * from introtallent.swiggy;

INSERT INTO introtallent.swiggy VALUES
(1,'SW1005', 700, 50, 'KFC', 753, '2021-10-10', 'Door locked'),
(2,'SW1006', 710, 59, 'Pizza hut', 1496, '2021-09-01', 'In-time delivery'),
(3,'SW1005', 720, 59, 'Dominos', 990, '2021-12-10', ''),
(4,'SW1005', 707, 50, 'Pizza hut', 2475, '2021-12-11', ''),
(5,'SW1006', 770, 59, 'KFC', 1250, '2021-11-17', 'No response'),
(6,'SW1020', 1000, 119, 'Pizza hut', 1400, '2021-11-18', ''),
(7,'SW2035', 1079, 135, 'Dominos', 1750, '2021-11-19', ''),
(8,'SW1020', 1083, 59, 'KFC', 1250, '2021-12-10', ''),
(11,'SW1020', 1100, 150, 'Pizza hut', 1950, '2021-12-24', 'Late delivery'),
(9,'SW2035', 1095, 119, 'Pizza hut', 1270, '2021-11-21', 'Late delivery'),
(10,'SW1005', 729, 135, 'KFC', 1000, '2021-09-10', 'Delivered'),
(1,'SW1005', 700, 50, 'KFC', 753, '2021-10-10', 'Door locked'),
(2,'SW1006', 710, 59, 'Pizza hut', 1496, '2021-09-01', 'In-time delivery'),
(3,'SW1005', 720, 59, 'Dominos', 990, '2021-12-10', ''),
(4,'SW1005', 707, 50, 'Pizza hut', 2475, '2021-12-11', '');

```

**# Q1: find the count of duplicate rows in the swiggy table**

```
SELECT
    COUNT(*) - COUNT(DISTINCT id,
        cust_id,
        order_id,
        partner_code,
        outlet,
        bill_amount,
        order_date,
        Comments) AS duplicat_rows
FROM
    introallent.swiggy;
```

**Q2: Remove Duplicate records from the table**

```
CREATE TABLE introallent.swiggy2 AS
SELECT DISTINCT *
FROM introallent.swiggy ;
drop table introallent.swiggy;
rename table introallent.swiggy2 to introallent.swiggy;
```

**Q3: print records from row number 4 to 9**

```
SELECT *
FROM (
    SELECT *, ROW_NUMBER() OVER (ORDER BY id) AS row_num
    FROM introallent.swiggy
) AS RankedRows
WHERE row_num BETWEEN 4 AND 9;
```

## OUTPUT

id	cust_id	order_id	partner_code	outlet	bill_amount	order_date	Comments	row_num
4	SW1005	707	50	Pizza hut	2475	2021-12-11		4
5	SW1006	770	59	KFC	1250	2021-11-17	No response	5
6	SW1020	1000	119	Pizza hut	1400	2021-11-18		6
7	SW2035	1079	135	Dominos	1750	2021-11-19		7
8	SW1020	1083	59	KFC	1250	2021-12-10		8
9	SW2035	1095	119	Pizza hut	1270	2021-11-21	Late delivery	9

**Q4: find latest order placed by customers.**

SELECT

cust\_id, outlet, MAX(order\_date) AS latest\_order

FROM

introtallent.swiggy

GROUP BY 1, 2;

## OUPUT

cust_id	outlet	latest_order
SW1005	KFC	2021-10-10
SW1006	Pizza hut	2021-09-01
SW1005	Dominos	2021-12-10
SW1005	Pizza hut	2021-12-11
SW1006	KFC	2021-11-17

**Q5: print order\_id, partner\_code, oder date,coments(No issues in place of null else comment.)**

select order\_id, partner\_code, order\_date,

(case

when Comments ='' then 'No issues'

else

Comments

end) as comments

from introtallent.swiggy;

### OUTPUT

order_id	partner_code	order_date	comments
729	135	2021-09-10	Delivered
700	50	2021-10-10	Door locked
710	59	2021-09-01	In-time delivery
1100	150	2021-12-24	Late delivery
1095	119	2021-11-21	Late delivery
720	59	2021-12-10	No issues
707	50	2021-12-11	No issues
1000	119	2021-11-18	No issues
1079	135	2021-11-19	No issues
1083	59	2021-12-10	No issues
770	59	2021-11-17	No response

**Q6: Print outlet wise order count, cumulative order count, total bill\_amount, cumulative**

**# bill\_ amoun**

SELECT

a.outlet,

a.order\_cnt,

@cum\_cnt:=a.order\_cnt + @cum\_cnt AS cumulative\_cnt,

a.total\_sale,

@cum\_sale:=a.total\_sale + @cum\_sale AS cummulative\_sale

FROM

(SELECT

outlet,

COUNT(outlet) AS order\_cnt,

SUM(bill\_amount) AS total\_sale

FROM

introtallent.swiggy

GROUP BY 1 ) AS a

JOIN

(SELECT @cum\_cnt:=0, @cum\_sale:=0) AS b

ORDER BY a.outlet ASC;

**OUTPUT**

outlet	order_cnt	cumulative_cnt	total_sale	cummulative_sale
Dominos	2	2	2740	2740
KFC	4	6	4253	6993
Pizza hut	5	11	8591	15584

**Q7: Print cust\_id wise, Outlet wise 'total number of orders**

```
select cust_id ,  
sum(if(outlet='kfc',1,0)) as KFC,  
sum(if(outlet='Dominos',1,0)) as Dominos,  
sum(if(outlet='Pizza hut',1,0)) as Pizza_Hut  
from introallent.swiggy  
group by 1;
```

**OUTPUT**

cust_id	KFC	Dominos	Pizza_Hut
SW1005	2	1	1
SW1006	1	0	1
SW1020	1	0	2
SW2035	0	1	1

**Q8: Print cust\_id wise, Outlet wise 'total sales**

```
select cust_id ,  
sum(if(outlet='kfc',bill_amount,0)) as KFC,  
sum(if(outlet='Dominos',bill_amount,0)) as Dominos,  
sum(if(outlet='Pizza hut',bill_amount,0)) as Pizza_Hut  
from introallent.swiggy group by 1;
```

## OUTPUT

cust_id	KFC	Dominos	Pizza_Hut
SW1005	1753	990	2475
SW1006	1250	0	1496
SW1020	1250	0	3350
SW2035	0	1750	1270