

PROJECT REPORT

PROJECT TITLE

ORDER PATTERN OF CUSTOMER ANALYSIS

Submitted by: NANDHU GOPAN A V

Date of Submission: 11/04/2025

```
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
```

```
introtallent.swiggy;
```

Q2: Remove Duplicate records from the table

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

Q3: print records from row number 4 to 9

```
SELECT *  
FROM (  
    SELECT *, ROW_NUMBER() OVER (ORDER BY id) AS row_num  
    FROM introtallent.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	Dominoes	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;
```

OUPUT

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 introtallent.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 introtallent.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