Foodpanda – Mini Assignment

Part 1 - SQL

Q1.

Assume today is 2019-06-06

Below are tables from foodpanda data warehouse,

Please query All order details ordered from past three days including:

order date (as date without time), zone of vendor is in, vendor code, vendor name, order code, customer name, email address, food value and order decline reason

```
Answer:
CREATE TABLE combined_order AS
SELECT
        CAST(o.order_date AS DATE) AS order_date,
        vz.area AS zone_of_vendor,
        v.vendor_code AS vendor_code,
        v.vendor_name AS vendor_name,
        o.order_code AS order_code,
        c.full_name AS customer_name,
        c.email_address AS customer_email,
        o.food_value_local AS food_value,
        d.title AS order_decline_reason
FROM foodpanda_hk.orders o
LEFT JOIN foodpanda_hk.vendors v
        ON o.vendor_id = v.Vendor _id
LEFT JOIN foodpanda_hk.customers c
ON o.order_date = c. customer_first_order
LEFT JOIN foodpanda_hk.decline_reasons d
        ON o.decline_reason_id = d.decline_reason_id
LEFT JOIN foodpanda_hk.vendor_zone vz
        ON v.Vendor_code = vz.Vendor_code
WHERE
        o.order_date BETWEEN '2019-06-03 00:00:00' AND '2019-06-05 23:59:59'
ORDER BY
        o.order_date DESC;
```

Table: foodpanda_hk.orders

order_date	order_code	customer_id	vendor_id	status_id	food_value_local	..
2019-06-05 19:00:00	abcc-1234	12222	10001	66	150	..

2019-06-04 18:00:00	abcd-1233	13333	1001	24	240	..
..	..	..	..	..	..	..

..	first_order	decline_reason_id
..	1	12
..	0	(null)
..	..	..

Table: foodpanda_hk.vendors

Vendor_id	Vendor_code	Vendor_name	Vendor_active	Vendor_test	Vendor_deleted
123	abbb	Aberdeen Road	1	0	0
1001	abcd	Fire and Flame	0	0	1
..	..	..	..	..	..

Table: foodpanda_hk.customers

id	customer_code	full_name	email_address	customer_first_order
1	abbb	Chan Tai Tai	chanabc@gmail.com	2019-06-04 19:01:00
2	abcd	Adrian To	Adrain_toto@gmail.com	null
..	..	..		..

Table: foodpanda_hk.decline_reasons

declinereason_id	title

10	customer cancelled
21	product unavailable
..	..

Table: foodpanda_hk.vendor_zone

Vendor_code	area
abcd	Central
abdd	Kennedy Town
..	..

Q2.

Using data of Q1,

status_id of 22,24,61 are considered as successful orders.

status_id of 12,21,31 are considered as cancel orders.

Any other status are incomplete order

Please write down what needs to be added to query in Q1 to categorized each order into 'Successful' or 'Cancel' or 'Incomplete' in text column called order_status

```
Answer:
Add the below code to the SELECT section under v.vendor_name AS vendor_name,

CASE
        WHEN status_id = 22 THEN 'Successful'
        WHEN status_id = 24 THEN 'Successful'
        WHEN status_id = 61 THEN 'Successful'
        WHEN status_id = 12 THEN 'Cancel'
        WHEN status_id = 21 THEN 'Cancel'
        WHEN status_id = 31 THEN 'Cancel'
ELSE 'Incomplete'
END AS order_status,
```

Q3.

Please write a query to show daily

number of order,
number of cancel orders,
food value,
food value of successful order,
number of customer ordered,
group by zone of vendor
from past 3 days

Answer:
SELECT
        COUNT(order_code) AS order_no,
        COUNT(CASE WHEN order_status = 'Cancel' THEN 1 END) AS
        cancel_orders_no,
        SUM(food_value),
        (SELECT SUM(food_value) from combined order WHERE status_id =
         'Successful') AS food_value_successful_order,
        COUNT(customer_name)
FROM combined_order
WHERE order_date BETWEEN '2019-06-03' AND '2019-06-05'
GROUP BY zone_of_vendor
ORDER BY order_date DESC;