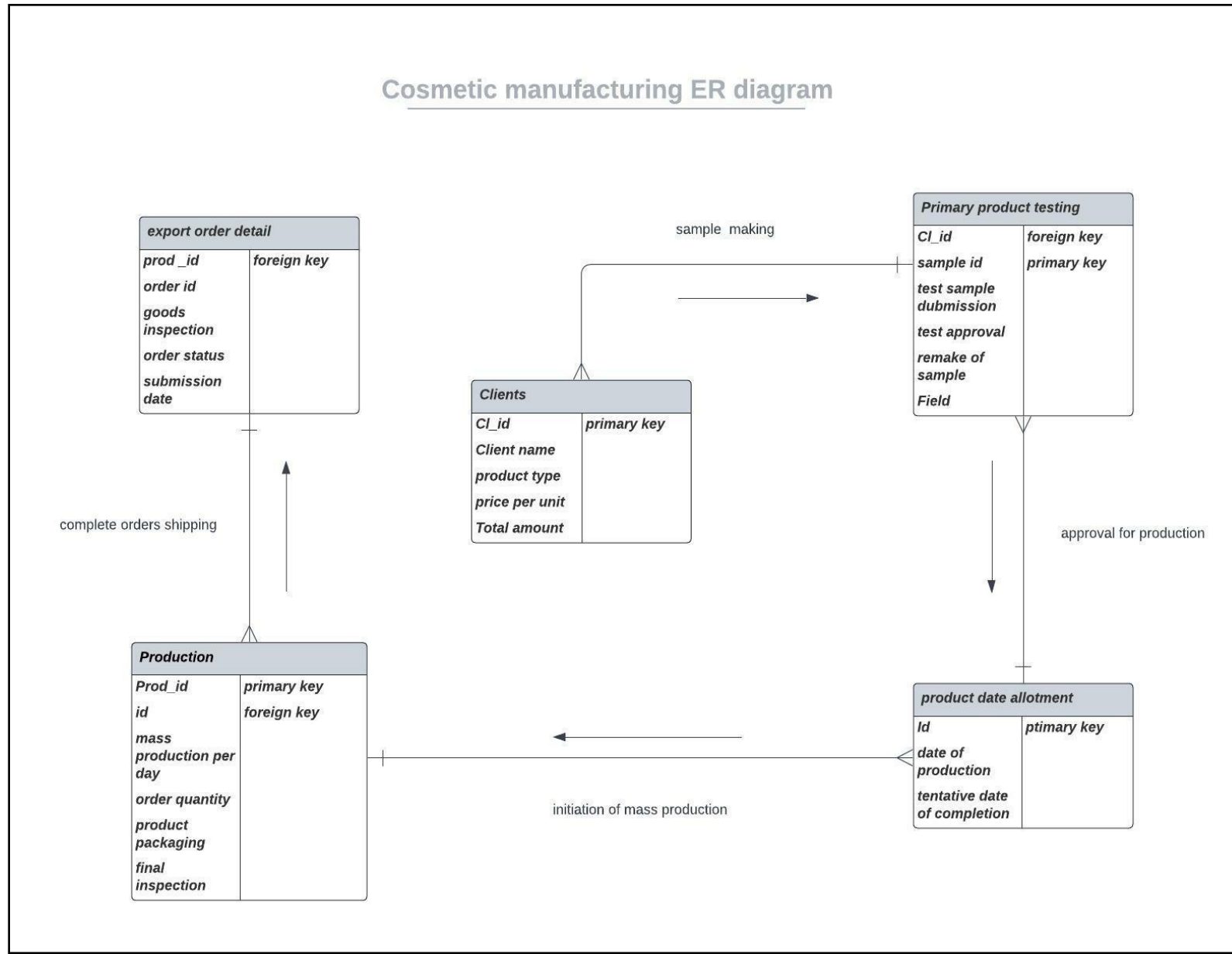# Cosmetic Manufacturing Company

There are many manufacturing companies in different fields where a large amount of production takes place and where managers need to pen down every detail right from the raw materials to the finishing of the product and dispatching it safely to the clients. Here I made a ppt on a Cosmetic Manufacturing Company to represent how a database can ease the management of every tiny piece of data. The main advantage of using the database is the data remain safe and we can easily retrieve the particular data we want at any time, the database helps to show the relation between two data files of the same field and we can easily manipulate it if we need to make changes in existing data which helps to maintain records of big data from the different field without mixing the data.

Entity Relationship Diagram

Cosmetic manufacturing ER diagram

export order detail

prod _id	foreign key
order id	
goods inspection	
order status	
submission date	

Primary product testing

Cl_id	foreign key
sample id	primary key
test sample dubmission	
test approval	
remake of sample	
Field	

sample making

Clients

Cl_id	primary key
Client name	
product type	
price per unit	
Total amount	

complete orders shipping

approval for production

Production

Prod_id	primary key
id	foreign key
mass production per day	
order quantity	
product packaging	
final inspection	

initiation of mass production

product date allotment

Id	ptimary key
date of production	
tentative date of completion	

Structure Of Tables:

1.Clients:

```
mysql> desc clients;
+-----------------------------+-------------+------+-----+---------+-------+
| Field                       | Type        | Null | Key | Default | Extra |
+-----------------------------+-------------+------+-----+---------+-------+
| Cl_id                       | int         | NO   | PRI | NULL    |       |
| Client_name                 | varchar(20) | NO   |     | NULL    |       |
| Product_type                | varchar(20) | YES  |     | NULL    |       |
| Total_prod                  | int         | YES  |     | NULL    |       |
| Price_per_unit              | int         | YES  |     | NULL    |       |
| Total_amount                | int         | YES  |     | NULL    |       |
| Final_amount_TotalA_PLUS_GST| int         | YES  |     | NULL    |       |
+-----------------------------+-------------+------+-----+---------+-------+
7 rows in set (0.00 sec)
```

2.Primary product testing

```
mysql> desc primary_product_testing;
+------------------------+-------------+------+-----+---------+-------+
| Field                  | Type        | Null | Key | Default | Extra |
+------------------------+-------------+------+-----+---------+-------+
| Cl_id                  | int         | YES  | MUL | NULL    |       |
| sample_id              | int         | NO   | PRI | NULL    |       |
| Test_sample_submission | varchar(20) | YES  |     | NULL    |       |
| Prod_quality           | varchar(20) | YES  |     | NULL    |       |
| Chemical_formation     | varchar(20) | YES  |     | NULL    |       |
| Test_Approval          | varchar(10) | YES  |     | NULL    |       |
| Remake_sample          | varchar(10) | YES  |     | NULL    |       |
+------------------------+-------------+------+-----+---------+-------+
7 rows in set (0.00 sec)
```

3.Production date allotment

```
mysql> desc prod_date_allotment;
+----------------------------+------+------+-----+---------+-------+
| Field                      | Type | Null | Key | Default | Extra |
+----------------------------+------+------+-----+---------+-------+
| Cl_id                      | int  | YES  | MUL | NULL    |       |
| Date_of_Production         | date | YES  |     | NULL    |       |
| Tentative_date_complition  | date | YES  |     | NULL    |       |
+----------------------------+------+------+-----+---------+-------+
3 rows in set (0.00 sec)
```

4.Production

```
mysql> desc production;
+-----------------------------+-------------+------+-----+---------+-------+
| Field                       | Type        | Null | Key | Default | Extra |
+-----------------------------+-------------+------+-----+---------+-------+
| Prod_id                     | int         | NO   | PRI | NULL    |       |
| client_id                   | int         | YES  | MUL | NULL    |       |
| Mass_production_perday_units | int        | YES  |     | NULL    |       |
| Order_quantity              | int         | YES  |     | NULL    |       |
| Product_packaging           | varchar(20) | YES  |     | NULL    |       |
| Batch_complition            | varchar(20) | YES  |     | NULL    |       |
| Final_inspection            | varchar(15) | YES  |     | NULL    |       |
+-----------------------------+-------------+------+-----+---------+-------+
7 rows in set (0.00 sec)
```

5.Export order detail

```
mysql> desc exoprt_order_detail;
+--------------------------+-------------+------+-----+---------+-------+
| Field                    | Type        | Null | Key | Default | Extra |
+--------------------------+-------------+------+-----+---------+-------+
| Prod_id                  | int         | YES  | MUL | NULL    |       |
| client_id                | int         | YES  | MUL | NULL    |       |
| order_id                 | int         | NO   | PRI | NULL    |       |
| Finished_Goods_inspection | varchar(50) | YES  |     | NULL    |       |
| Email_updates            | varchar(20) | YES  |     | NULL    |       |
| Order_status             | varchar(20) | YES  |     | NULL    |       |
| Client_order_sumbission  | varchar(20) | YES  |     | NULL    |       |
| Submission_Date          | date        | YES  |     | NULL    |       |
+--------------------------+-------------+------+-----+---------+-------+
8 rows in set (0.00 sec)
```

Content of table

1.Client:

```
mysql> select * from clients;
+-------+--------------+--------------+------------+----------------+--------------+----------------------------+
| Cl_id | Client_name  | Product_type | Total_prod | Price_per_unit | Total_amount | Final_amount_TotalA_PLUS_GST |
+-------+--------------+--------------+------------+----------------+--------------+----------------------------+
|     1 | Biotin       | shampoo      |      20000 |            450 |      9000000 |                    9450000 |
|     2 | Deyega       | soap         |      40000 |           1000 |      1400000 |                    1470000 |
|     3 | Skin-fix     | Body-lotion  |     400000 |            450 |     18000000 |                   18900000 |
|     4 | Kaparo       | Body-wash    |      35000 |            400 |     14000000 |                   14700000 |
|     5 | Scalp-plus   | shampoo      |      30000 |            750 |     12000000 |                   12600000 |
|     6 | Herbal-active| Face-wash    |      35000 |            250 |      8750000 |                    9187500 |
|     7 | Detox        | Face-wash    |      45000 |            400 |     18000000 |                   18900000 |
|     8 | Moana        | Night-cream  |      50000 |            850 |     12500000 |                   13125000 |
|     9 | Baccon       | Body-lotion  |      30000 |            700 |     12000000 |                   12600000 |
|    10 | Merlin       | Body-lotion  |      45000 |            800 |     18000000 |                   18900000 |
|    11 | Trisha       | Face-wash    |      50000 |            900 |     22500800 |                   23625840 |
|    12 | Biotin       | Night-cream  |      25000 |            850 |      5000000 |                    5250000 |
|    13 | Camphoril    | Body-wash    |      20000 |            700 |      9000000 |                    9450000 |
|    14 | Saffron      | soap         |      35000 |           1000 |     15750000 |                   16537500 |
|    15 | Tulip        | shampoo      |      45000 |            750 |     18000000 |                   18900000 |
|    16 | Sparkle      | Night-cream  |      40000 |            850 |      8000000 |                   84000000 |
|    17 | Herbal-active| Body-lotion  |      25000 |            800 |     10000000 |                   10500000 |
|    18 | Venesa       | shampoo      |      25000 |            750 |     11250000 |                   11812500 |
|    19 | Karma        | Night-cream  |      30000 |            850 |     12000000 |                   12600000 |
|    20 | Khadi        | soap         |      60000 |           1000 |      2400000 |                    2520000 |
+-------+--------------+--------------+------------+----------------+--------------+----------------------------+
20 rows in set (0.00 sec)
```

2.Primary Product Testing

```
mysql> select * from primary_product_testing;
+--------+-----------+------------------------+--------------+---------------------+--------------+---------------+
| Cl_id  | sample_id | Test_sample_submission | Prod_quality | Chemical_formation  | Test_Approval | Remake_sample |
+--------+-----------+------------------------+--------------+---------------------+--------------+---------------+
|     1  |       101 | Submitted              | perfect      | correct             | Pass         | No            |
|     2  |       102 | Submitted              | defective    | incorrect           | Fail         | Yes           |
|     3  |       103 | Submitted              | perfect      | correct             | Pass         | No            |
|     4  |       104 | Submitted              | perfect      | correct             | Pass         | No            |
|     5  |       105 | Submitted              | perfect      | correct             | Pass         | No            |
|     6  |       106 | Submitted              | perfect      | correct             | Pass         | No            |
|     7  |       107 | Submitted              | perfect      | correct             | Pass         | No            |
|     8  |       108 | Submitted              | perfect      | correct             | Pass         | No            |
|     9  |       109 | Submitted              | perfect      | correct             | Pass         | No            |
|    10  |       110 | Submitted              | perfect      | correct             | Pass         | No            |
|    11  |       111 | Submitted              | perfect      | correct             | Pass         | No            |
|    12  |       112 | Submitted              | perfect      | correct             | Pass         | No            |
|    13  |       113 | Submitted              | defective    | incorrect           | Fail         | Yes           |
|    14  |       114 | Submitted              | perfect      | correct             | Pass         | No            |
|    15  |       115 | Submitted              | perfect      | correct             | Pass         | No            |
|    16  |       116 | Submitted              | defective    | incorrect           | Fail         | Yes           |
|    17  |       117 | Submitted              | perfect      | correct             | Pass         | No            |
|    18  |       118 | Submitted              | perfect      | correct             | Pass         | No            |
|    19  |       119 | Submitted              | perfect      | correct             | Pass         | No            |
|    20  |       120 | Submitted              | perfect      | correct             | Pass         | No            |
+--------+-----------+------------------------+--------------+---------------------+--------------+---------------+
20 rows in set (0.00 sec)
```

3.Product date allotment

```
mysql> select * from prod_date_allotment;
+-------+-------------------+-------------------------+
| Cl_id | Date_of_Production | Tentative_date_complition |
+-------+-------------------+-------------------------+
|     1 | 2022-01-15        | 2022-02-25              |
|     2 | 2022-01-14        | 2022-03-07              |
|     3 | 2022-01-16        | 2022-03-08              |
|     4 | 2022-01-18        | 2022-03-04              |
|     5 | 2022-01-15        | 2022-03-03              |
|     6 | 2022-05-16        | 2022-07-08              |
|     7 | 2022-05-17        | 2022-07-21              |
|     8 | 2022-05-18        | 2022-04-08              |
|     9 | 2022-05-19        | 2022-07-24              |
|    10 | 2022-05-20        | 2022-08-05              |
|    11 | 2022-09-15        | 2022-12-22              |
|    12 | 2022-09-18        | 2022-11-06              |
|    13 | 2022-09-17        | 2022-11-05              |
|    14 | 2022-09-16        | 2022-11-04              |
|    15 | 2022-09-18        | 2022-12-04              |
|    16 | 2022-12-14        | 2022-02-19              |
|    16 | 2022-12-15        | 2023-01-28              |
|    18 | 2022-12-17        | 2023-02-01              |
|    19 | 2022-12-16        | 2023-02-04              |
|    20 | 2022-12-16        | 2023-02-28              |
+-------+-------------------+-------------------------+
20 rows in set (0.00 sec)
```

4.Production

```
mysql> select * from production;
+---------+-----------+-------------------------------+----------------+-------------------+-------------------+-----------------+
| Prod_id | client_id | Mass_production_perday_units  | Order_quantity | Product_packaging | Batch_complition  | Final_inspection |
+---------+-----------+-------------------------------+----------------+-------------------+-------------------+-----------------+
|    1101 |         1 |                           750 |          20000 | Done              | complete          | complete         |
|    1102 |         2 |                          1000 |          40000 | Not-done          | Delayed           | incomplete       |
|    1103 |         3 |                           800 |          40000 | Done              | complete          | complete         |
|    1104 |         4 |                           700 |          35000 | Done              | complete          | complete         |
|    1105 |         5 |                           750 |          30000 | Done              | complete          | complete         |
|    1106 |         6 |                           900 |          35000 | Done              | complete          | complete         |
|    1107 |         7 |                           900 |          45000 | Done              | complete          | complete         |
|    1108 |         8 |                           850 |          50000 | Done              | complete          | complete         |
|    1109 |         9 |                           700 |          30000 | Done              | complete          | complete         |
|    1110 |        10 |                           800 |          45000 | Done              | complete          | complete         |
|    1111 |        11 |                           900 |          50000 | Done              | complete          | complete         |
|    1112 |        12 |                           850 |          25000 | Done              | complete          | complete         |
|    1113 |        13 |                           700 |          20000 | Not-done          | Delayed           | incomplete       |
|    1114 |        14 |                          1000 |          35000 | Done              | complete          | complete         |
|    1115 |        15 |                           750 |          45000 | Done              | complete          | complete         |
|    1116 |        16 |                           850 |          40000 | Not-done          | Delayed           | incomplete       |
|    1117 |        17 |                           800 |          25000 | Done              | complete          | complete         |
|    1118 |        18 |                           750 |          25000 | Done              | complete          | complete         |
|    1119 |        19 |                           850 |          30000 | Done              | complete          | complete         |
|    1120 |        20 |                          1000 |          60000 | Done              | complete          | complete         |
+---------+-----------+-------------------------------+----------------+-------------------+-------------------+-----------------+
20 rows in set (0.00 sec)
```

5.Export order detail

```
mysql> select * from exoprt_order_detail;
+---------+-----------+----------+--------------------------+--------------+--------------+------------------------+-----------------+
| Prod_id | client_id | order_id | Finished_Goods_inspection | Email_updates | Order_status | Client_order_sumbission | Submission_Date |
+---------+-----------+----------+--------------------------+--------------+--------------+------------------------+-----------------+
|    1101 |         1 |     1201 | complete                 | sent         | done         | done                   | 2022-02-25      |
|    1102 |         2 |     1202 | incomplete               | not-sent     | not-done     | not-done               | 0000-00-00      |
|    1103 |         3 |     1203 | complete                 | sent         | done         | done                   | 2022-03-09      |
|    1104 |         4 |     1204 | complete                 | sent         | done         | done                   | 2022-03-05      |
|    1105 |         5 |     1205 | complete                 | sent         | done         | done                   | 2022-03-04      |
|    1106 |         6 |     1206 | complete                 | sent         | done         | done                   | 2022-07-09      |
|    1107 |         7 |     1207 | complete                 | sent         | done         | done                   | 2022-07-22      |
|    1108 |         8 |     1208 | complete                 | sent         | done         | done                   | 2022-04-09      |
|    1109 |         9 |     1209 | complete                 | sent         | done         | done                   | 2022-07-25      |
|    1110 |        10 |     1210 | complete                 | sent         | done         | done                   | 2022-08-06      |
|    1111 |        11 |     1211 | complete                 | sent         | done         | done                   | 2022-12-23      |
|    1112 |        12 |     1212 | complete                 | sent         | done         | done                   | 2022-11-07      |
|    1113 |        13 |     1213 | incomplete               | not-sent     | not-done     | not-done               | 0000-00-00      |
|    1114 |        14 |     1214 | complete                 | sent         | done         | done                   | 2022-11-03      |
|    1115 |        15 |     1215 | complete                 | sent         | done         | done                   | 2022-12-05      |
|    1116 |        16 |     1216 | incomplete               | not-sent     | not-done     | not-done               | 0000-00-00      |
|    1117 |        17 |     1217 | complete                 | sent         | done         | done                   | 2023-01-29      |
|    1118 |        18 |     1218 | complete                 | sent         | done         | done                   | 2023-02-02      |
|    1119 |        19 |     1219 | complete                 | sent         | done         | done                   | 2023-02-05      |
|    1120 |        20 |     1220 | complete                 | sent         | done         | done                   | 2023-03-02      |
+---------+-----------+----------+--------------------------+--------------+--------------+------------------------+-----------------+
20 rows in set (0.00 sec)
```

Sub-queries

1. Display production stage of all the products who's order status is done

```
mysql> select * from production where Prod_id in(select Prod_id from exoprt_order_detail where Order_status in('done'));
+---------+-----+-----------+----------------------------+----------------+------------------+-----------------+-----------------+
| Prod_id | id  | client_id | Mass_production_perday_units | Order_quantity | Product_packaging | Batch_complition | Final_inspection |
+---------+-----+-----------+----------------------------+----------------+------------------+-----------------+-----------------+
|   1101  |  10 |         1 |                        750 |          20000 | Done             | complete        | complete        |
|   1103  |  30 |         3 |                        800 |          40000 | Done             | complete        | complete        |
|   1104  |  40 |         4 |                        700 |          35000 | Done             | complete        | complete        |
|   1105  |  50 |         5 |                        750 |          30000 | Done             | complete        | complete        |
|   1106  |  60 |         6 |                        900 |          35000 | Done             | complete        | complete        |
|   1107  |  70 |         7 |                        900 |          45000 | Done             | complete        | complete        |
|   1108  |  80 |         8 |                        850 |          50000 | Done             | complete        | complete        |
|   1109  |  90 |         9 |                        700 |          30000 | Done             | complete        | complete        |
|   1110  | 100 |        10 |                        800 |          45000 | Done             | complete        | complete        |
|   1111  | 110 |        11 |                        900 |          50000 | Done             | complete        | complete        |
|   1112  | 120 |        12 |                        850 |          25000 | Done             | complete        | complete        |
|   1114  | 140 |        14 |                       1000 |          35000 | Done             | complete        | complete        |
|   1115  | 150 |        15 |                        750 |          45000 | Done             | complete        | complete        |
|   1117  | 170 |        17 |                        800 |          25000 | Done             | complete        | complete        |
|   1118  | 180 |        18 |                        750 |          25000 | Done             | complete        | complete        |
|   1119  | 190 |        19 |                        850 |          30000 | Done             | complete        | complete        |
|   1120  | 200 |        20 |                       1000 |          60000 | Done             | complete        | complete        |
+---------+-----+-----------+----------------------------+----------------+------------------+-----------------+-----------------+
17 rows in set (0.04 sec)
```

2.Display the sample_id who got the test approval for mass production from the client 'Biotin' and 'Herbal-active'.

```
mysql> select sample_id, Test_Approval from primary_product_testing where Cl_id in(select Cl_id from clients where Client_name in('Biotin','Herbal-active'));
+-----------+---------------+
| sample_id | Test_Approval |
+-----------+---------------+
|       101 | Pass          |
|       106 | Pass          |
|       112 | Pass          |
|       117 | Pass          |
+-----------+---------------+
4 rows in set (0.00 sec)
```

3..Display all the primary testing done of the products who's order status ready to dispatch.

```
mysql> select * from primary_product_testing where Cl_id in(select Cl_id from exoprt_order_detail where Order_status in('done'));
+-------+-----------+------------------------+--------------+-------------------+--------------+---------------+
| Cl_id | sample_id | Test_sample_submission | Prod_quality | Chemical_formation | Test_Approval | Remake_sample |
+-------+-----------+------------------------+--------------+-------------------+--------------+---------------+
|     1 |       101 | Submitted              | perfect      | correct           | Pass         | No            |
|     3 |       103 | Submitted              | perfect      | correct           | Pass         | No            |
|     4 |       104 | Submitted              | perfect      | correct           | Pass         | No            |
|     5 |       105 | Submitted              | perfect      | correct           | Pass         | No            |
|     6 |       106 | Submitted              | perfect      | correct           | Pass         | No            |
|     7 |       107 | Submitted              | perfect      | correct           | Pass         | No            |
|     8 |       108 | Submitted              | perfect      | correct           | Pass         | No            |
|     9 |       109 | Submitted              | perfect      | correct           | Pass         | No            |
|    10 |       110 | Submitted              | perfect      | correct           | Pass         | No            |
|    11 |       111 | Submitted              | perfect      | correct           | Pass         | No            |
|    12 |       112 | Submitted              | perfect      | correct           | Pass         | No            |
|    14 |       114 | Submitted              | perfect      | correct           | Pass         | No            |
|    15 |       115 | Submitted              | perfect      | correct           | Pass         | No            |
|    17 |       117 | Submitted              | perfect      | correct           | Pass         | No            |
|    18 |       118 | Submitted              | perfect      | correct           | Pass         | No            |
|    19 |       119 | Submitted              | perfect      | correct           | Pass         | No            |
|    20 |       120 | Submitted              | perfect      | correct           | Pass         | No            |
+-------+-----------+------------------------+--------------+-------------------+--------------+---------------+
17 rows in set (0.00 sec)
```

4. Display final amount of product who's production id is updated and order submission is done to the client

```
mysql> select Client_name,Product_type,Final_amount_TotalA_PLUS_GST from clients where Cl_id in (select Cl_id from production where Prod_id in(select Prod_id from exoprt_order_detail where Client_order_sumbissio
n in('done')));
+--------------+-------------+-----------------------------+
| Client_name  | Product_type | Final_amount_TotalA_PLUS_GST |
+--------------+-------------+-----------------------------+
| Biotin       | shampoo     |                     9450000 |
| Skin-fix     | Body-lotion |                    18900000 |
| Kaparo       | Body-wash   |                    14700000 |
| Scalp-plus   | shampoo     |                    12600000 |
| Herbal-active| Face-wash   |                     9187500 |
| Detox        | Face-wash   |                    18900000 |
| Moana        | Night-cream |                    13125000 |
| Baccon       | Body-lotion |                    12600000 |
| Merlin       | Body-lotion |                    18900000 |
| Trisha       | Face-wash   |                    23625840 |
| Biotin       | Night-cream |                     5250000 |
| Saffron      | soap        |                    16537500 |
| Tulip        | shampoo     |                    18900000 |
| Herbal-active| Body-lotion |                    10500000 |
| Venesa       | shampoo     |                    11812500 |
| Karma        | Night-cream |                    12600000 |
| Khadi        | soap        |                     2520000 |
+--------------+-------------+-----------------------------+
17 rows in set (0.00 sec)
```

5.Display all the detail from production stage of product who's chemical formation is incorrect

```
mysql> select * from production where Cl_id in(select Cl_id from primary_product_testing where Chemical_formation in('incorrect'));
+---------+------+-------+---------------------------+----------------+------------------+------------------+-----------------+
| Prod_id | ID   | Cl_id | Mass_production_perday_units | Order_quantity | Product_packaging | Batch_complition | Final_inspection |
+---------+------+-------+---------------------------+----------------+------------------+------------------+-----------------+
|    1102 |   20 |     2 |                      1000 |          40000 | Not-done         | Delayed          | incomplete      |
|    1113 |  130 |    13 |                       700 |          20000 | Not-done         | Delayed          | incomplete      |
|    1116 |  160 |    16 |                       850 |          40000 | Not-done         | Delayed          | incomplete      |
+---------+------+-------+---------------------------+----------------+------------------+------------------+-----------------+
3 rows in set (0.00 sec)
```

JOINS :

1.Display order id ,order status who's product packaging and final inspection is done

```
mysql> select order_id, Product_packaging,Final_inspection,Order_status from production as a inner join exoprt_order_detail as b on a.Prod_id=b.Prod_id;
+----------+-------------------+------------------+--------------+
| order_id | Product_packaging | Final_inspection | Order_status |
+----------+-------------------+------------------+--------------+
|     1201 | Done              | complete         | done         |
|     1202 | Not-done          | incomplete       | not-done     |
|     1203 | Done              | complete         | done         |
|     1204 | Done              | complete         | done         |
|     1205 | Done              | complete         | done         |
|     1206 | Done              | complete         | done         |
|     1207 | Done              | complete         | done         |
|     1208 | Done              | complete         | done         |
|     1209 | Done              | complete         | done         |
|     1210 | Done              | complete         | done         |
|     1211 | Done              | complete         | done         |
|     1212 | Done              | complete         | done         |
|     1213 | Not-done          | incomplete       | not-done     |
|     1214 | Done              | complete         | done         |
|     1215 | Done              | complete         | done         |
|     1216 | Not-done          | incomplete       | not-done     |
|     1217 | Done              | complete         | done         |
|     1218 | Done              | complete         | done         |
|     1219 | Done              | complete         | done         |
|     1220 | Done              | complete         | done         |
+----------+-------------------+------------------+--------------+
20 rows in set (0.00 sec)
```

2. Display test approval and date to initiate the production who's test sample are submitted

```
mysql> select Test_sample_submission,Test_Approval, Date_of_Production from primary_product_testing as a right join prod_date_allotment as b on a.Cl_id=b.Cl_id;
+------------------------+---------------+--------------------+
| Test_sample_submission | Test_Approval | Date_of_Production |
+------------------------+---------------+--------------------+
| Submitted              | Pass          | 2022-01-15         |
| Submitted              | Fail          | 0000-00-00         |
| Submitted              | Pass          | 2022-01-16         |
| Submitted              | Pass          | 2022-01-18         |
| Submitted              | Pass          | 2022-01-15         |
| Submitted              | Pass          | 2022-05-16         |
| Submitted              | Pass          | 2022-05-17         |
| Submitted              | Pass          | 2022-05-18         |
| Submitted              | Pass          | 2022-05-19         |
| Submitted              | Pass          | 2022-05-20         |
| Submitted              | Pass          | 2022-09-15         |
| Submitted              | Pass          | 2022-09-18         |
| Submitted              | Fail          | 0000-00-00         |
| Submitted              | Pass          | 2022-09-16         |
| Submitted              | Pass          | 2022-09-18         |
| Submitted              | Fail          | 0000-00-00         |
| Submitted              | Pass          | 2022-12-15         |
| Submitted              | Pass          | 2022-12-17         |
| Submitted              | Pass          | 2022-12-16         |
| Submitted              | Pass          | 2022-12-16         |
+------------------------+---------------+--------------------+
20 rows in set (0.00 sec)
```

3. Display all the product's packaging , final inspection and order status for shipment of product.

```
mysql> select Product_packaging,Finished_Goods_inspection,Order_status from production as c left join exoprt_order_detail as d on c.client_id=d.client_id;
+-------------------+---------------------------+--------------+
| Product_packaging | Finished_Goods_inspection | Order_status |
+-------------------+---------------------------+--------------+
| Done              | complete                  | done         |
| Not-done          | incomplete                | not-done     |
| Done              | complete                  | done         |
| Done              | complete                  | done         |
| Done              | complete                  | done         |
| Done              | complete                  | done         |
| Done              | complete                  | done         |
| Done              | complete                  | done         |
| Done              | complete                  | done         |
| Done              | complete                  | done         |
| Done              | complete                  | done         |
| Done              | complete                  | done         |
| Not-done          | incomplete                | not-done     |
| Done              | complete                  | done         |
| Done              | complete                  | done         |
| Not-done          | incomplete                | not-done     |
| Done              | complete                  | done         |
| Done              | complete                  | done         |
| Done              | complete                  | done         |
| Done              | complete                  | done         |
+-------------------+---------------------------+--------------+
20 rows in set (0.00 sec)
```

4. Display client's order submission along with the date and amount to pay

```
mysql> select Client_name,Final_amount_TotalA_PLUS_GST,Client_order_sumbission,Submission_Date from clients as h inner join exoprt_order_detail as f on h.Cl_id =f.client_id;
+---------------+------------------------------+-------------------------+-----------------+
| Client_name   | Final_amount_TotalA_PLUS_GST | Client_order_sumbission | Submission_Date |
+---------------+------------------------------+-------------------------+-----------------+
| Biotin        |                      9450000 | done                    | 2022-02-25      |
| Deyega        |                      1470000 | not-done                | 0000-00-00      |
| Skin-fix      |                     18900000 | done                    | 2022-03-09      |
| Kaparo        |                     14700000 | done                    | 2022-03-05      |
| Scalp-plus    |                     12600000 | done                    | 2022-03-04      |
| Herbal-active |                      9187500 | done                    | 2022-07-09      |
| Detox         |                     18900000 | done                    | 2022-07-22      |
| Moana         |                     13125000 | done                    | 2022-04-09      |
| Baccon        |                     12600000 | done                    | 2022-07-25      |
| Merlin        |                     18900000 | done                    | 2022-08-06      |
| Trisha        |                     23625840 | done                    | 2022-12-23      |
| Biotin        |                      5250000 | done                    | 2022-11-07      |
| Camphoril     |                      9450000 | not-done                | 0000-00-00      |
| Saffron       |                     16537500 | done                    | 2022-11-03      |
| Tulip         |                     18900000 | done                    | 2022-12-05      |
| Sparkle       |                     84000000 | not-done                | 0000-00-00      |
| Herbal-active |                     10500000 | done                    | 2023-01-29      |
| Venesa        |                     11812500 | done                    | 2023-02-02      |
| Karma         |                     12600000 | done                    | 2023-02-05      |
| Khadi         |                      2520000 | done                    | 2023-03-02      |
+---------------+------------------------------+-------------------------+-----------------+
20 rows in set (0.00 sec)
```

View

```
mysql> create view manufacture as select a.Client_name,b.Date_of_Production,c.Final_inspection,d.Submission_Date from clients as a inner join prod_date_allotment as b on a.Cl_id=b.Cl_id inner join production as c on b.Cl_id=c.client_id inner join exoprt_order_detail as d on c.Prod_id=d.Prod_id;
Query OK, 0 rows affected (0.08 sec)

mysql> select * from manufacture;
+---------------+--------------------+------------------+-----------------+
| Client_name   | Date_of_Production | Final_inspection | Submission_Date |
+---------------+--------------------+------------------+-----------------+
| Biotin        | 2022-01-15         | complete         | 2022-02-25      |
| Deyega        | 0000-00-00         | incomplete       | 0000-00-00      |
| Skin-fix      | 2022-01-16         | complete         | 2022-03-09      |
| Kaparo        | 2022-01-18         | complete         | 2022-03-05      |
| Scalp-plus    | 2022-01-15         | complete         | 2022-03-04      |
| Herbal-active | 2022-05-16         | complete         | 2022-07-09      |
| Detox         | 2022-05-17         | complete         | 2022-07-22      |
| Moana         | 2022-05-18         | complete         | 2022-04-09      |
| Baccon        | 2022-05-19         | complete         | 2022-07-25      |
| Merlin        | 2022-05-20         | complete         | 2022-08-06      |
| Trisha        | 2022-09-15         | complete         | 2022-12-23      |
| Biotin        | 2022-09-18         | complete         | 2022-11-07      |
| Camphoril     | 0000-00-00         | incomplete       | 0000-00-00      |
| Saffron       | 2022-09-16         | complete         | 2022-11-03      |
| Tulip         | 2022-09-18         | complete         | 2022-12-05      |
| Sparkle       | 0000-00-00         | incomplete       | 0000-00-00      |
| Herbal-active | 2022-12-15         | complete         | 2023-01-29      |
| Venesa        | 2022-12-17         | complete         | 2023-02-02      |
| Karma         | 2022-12-16         | complete         | 2023-02-05      |
| Khadi         | 2022-12-16         | complete         | 2023-03-02      |
+---------------+--------------------+------------------+-----------------+
20 rows in set (0.00 sec)
```