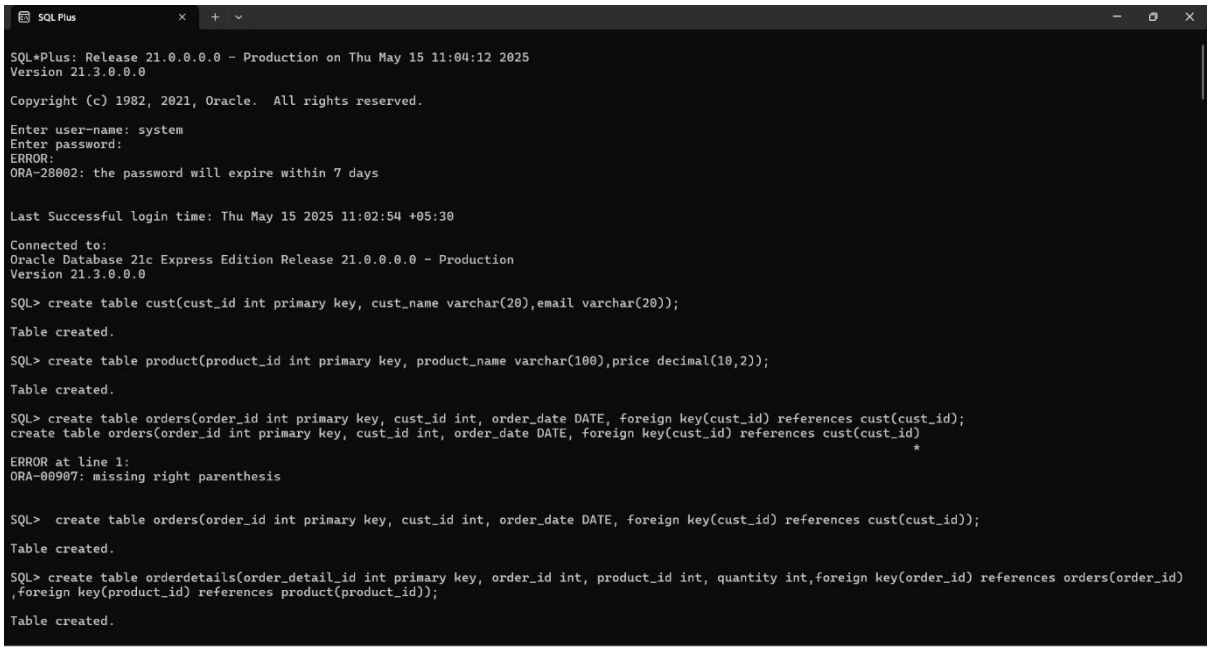
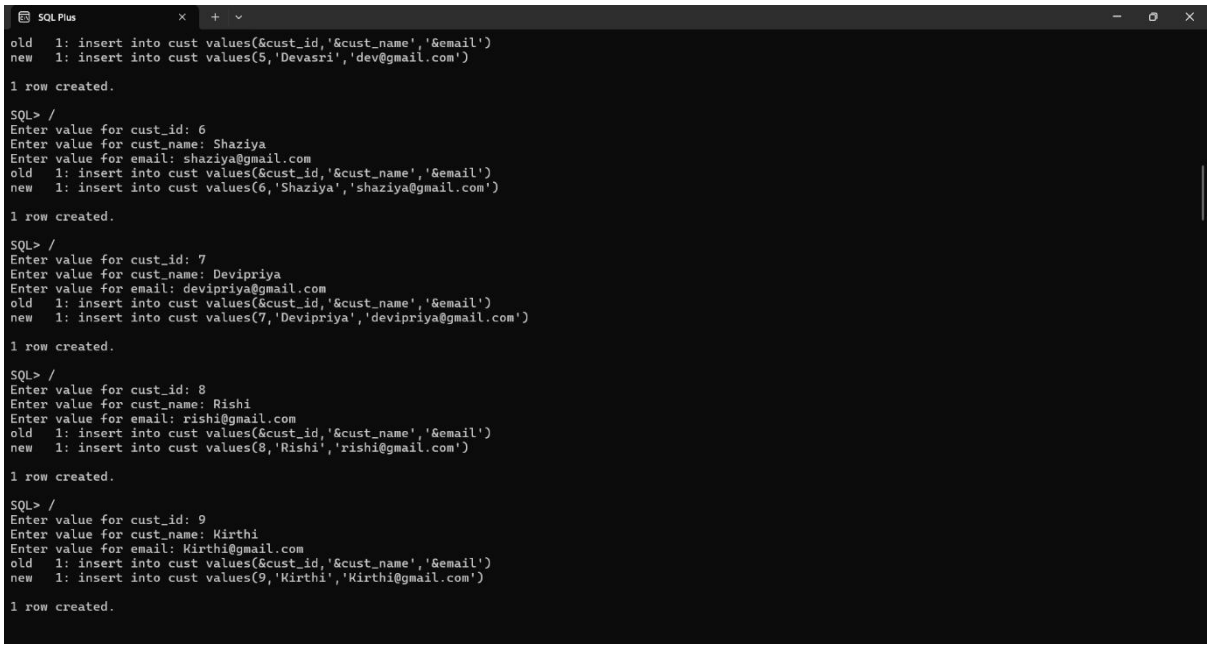
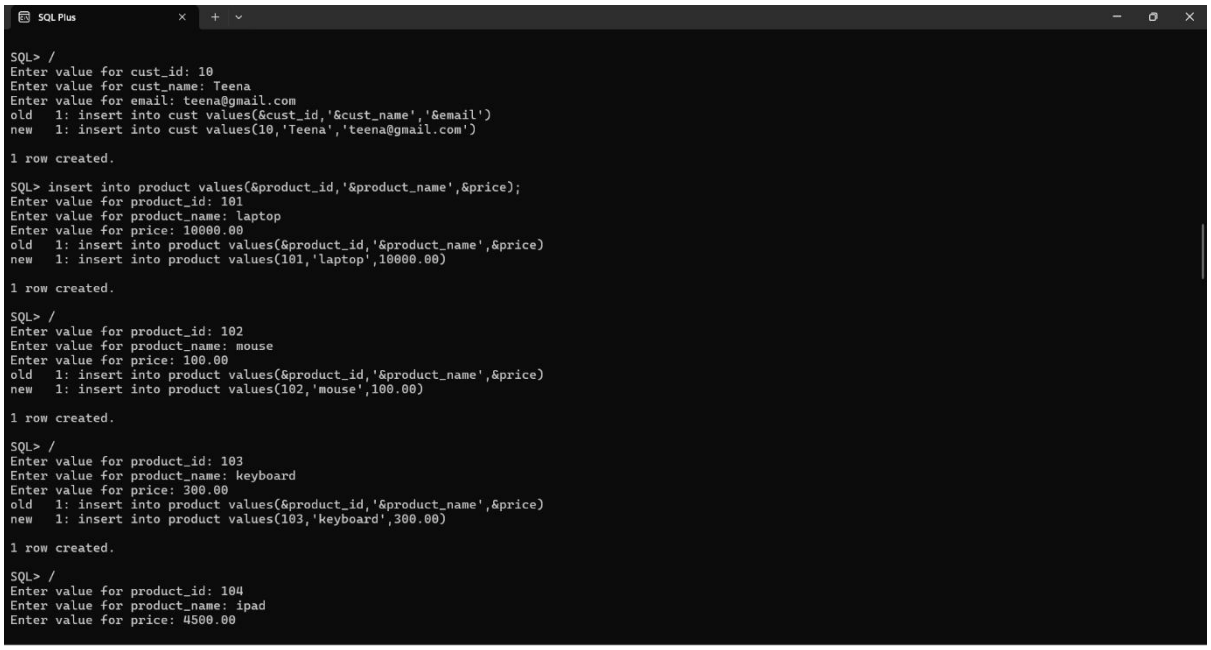
NAME : SNEHA K

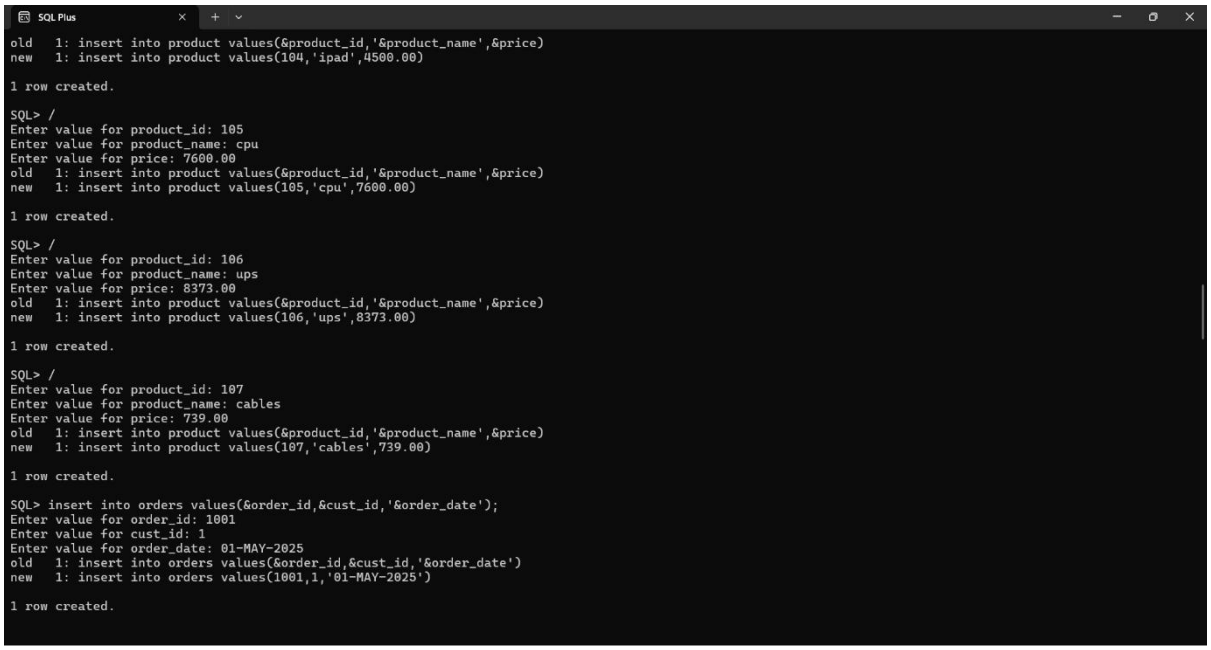
TASK 3

15-MAY-2025

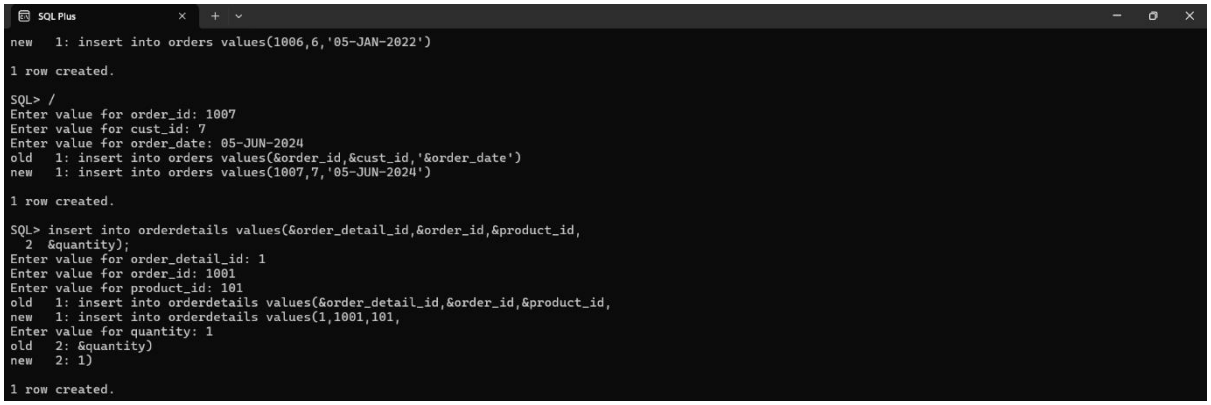


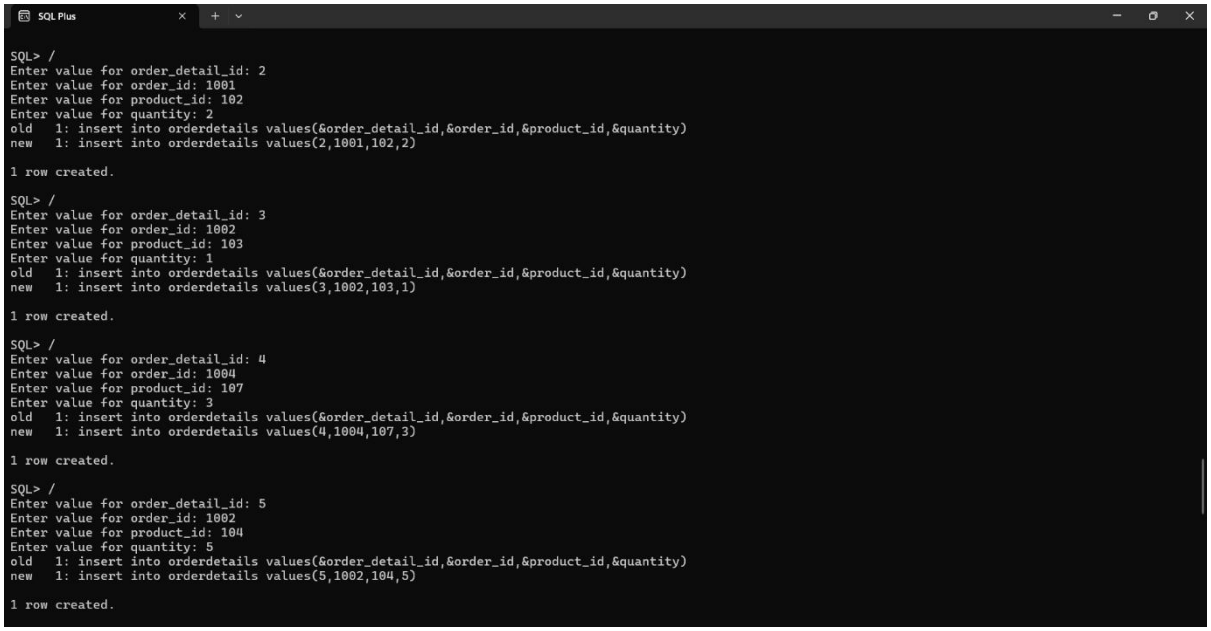

SQL Plus
old 1: insert into cust values(&cust_id,'&cust_name','&email')
new 1: insert into cust values(5,'Devasri','dev@gmail.com')
1 row created.
SQL> /
Enter value for cust_id: 6
Enter value for cust_name: Shaziya
Enter value for email: shaziya@gmail.com
old 1: insert into cust values(&cust_id,'&cust_name','&email')
new 1: insert into cust values(6,'Shaziya','shaziya@gmail.com')
1 row created.
SQL> /
Enter value for cust_id: 7
Enter value for cust_name: Devipriya
Enter value for email: devipriya@gmail.com
old 1: insert into cust values(&cust_id,'&cust_name','&email')
new 1: insert into cust values(7,'Devipriya','devipriya@gmail.com')
1 row created.
SQL> /
Enter value for cust_id: 8
Enter value for cust_name: Rishi
Enter value for email: rishi@gmail.com
old 1: insert into cust values(&cust_id,'&cust_name','&email')
new 1: insert into cust values(8,'Rishi','rishi@gmail.com')
1 row created.
SQL> /
Enter value for cust_id: 9
Enter value for cust_name: Kirthi
Enter value for email: Kirthi@gmail.com
old 1: insert into cust values(&cust_id,'&cust_name','&email')
new 1: insert into cust values(9,'Kirthi','Kirthi@gmail.com')
1 row created.

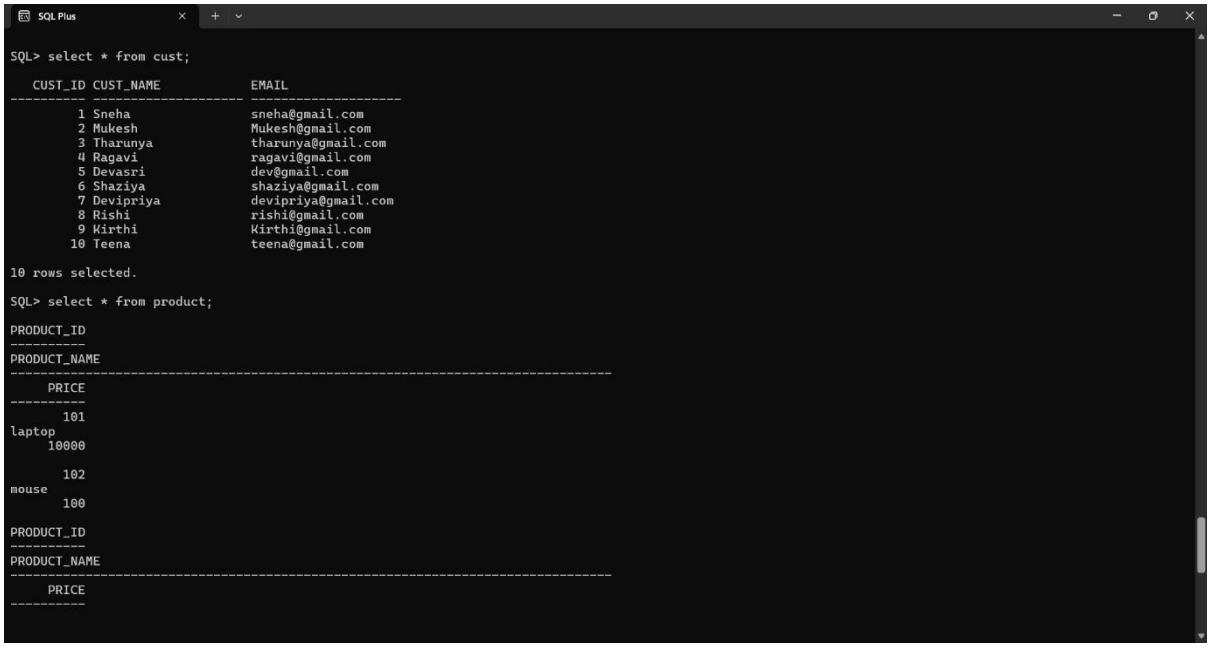

SQL Plus
SQL> /
Enter value for cust_id: 10
Enter value for cust_name: Teena
Enter value for email: teena@gmail.com
old 1: insert into cust values(&cust_id,'&cust_name','&email')
new 1: insert into cust values(10,'Teena','teena@gmail.com')
1 row created.
SQL> insert into product values(&product_id,'&product_name',&price);
Enter value for product_id: 101
Enter value for product_name: laptop
Enter value for price: 10000.00
old 1: insert into product values(&product_id,'&product_name',&price)
new 1: insert into product values(101,'laptop',10000.00)
1 row created.
SQL> /
Enter value for product_id: 102
Enter value for product_name: mouse
Enter value for price: 100.00
old 1: insert into product values(&product_id,'&product_name',&price)
new 1: insert into product values(102,'mouse',100.00)
1 row created.
SQL> /
Enter value for product_id: 103
Enter value for product_name: keyboard
Enter value for price: 300.00
old 1: insert into product values(&product_id,'&product_name',&price)
new 1: insert into product values(103,'keyboard',300.00)
1 row created.
SQL> /
Enter value for product_id: 104
Enter value for product_name: ipad
Enter value for price: 4500.00

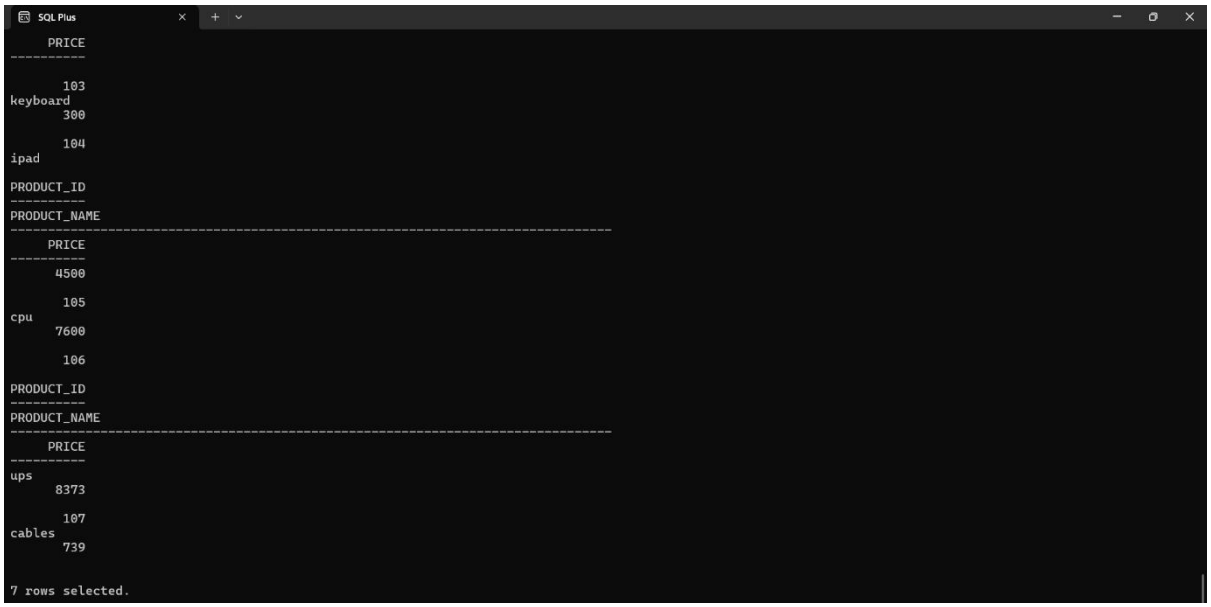

SQL Plus
old 1: insert into product values(&product_id,'&product_name',&price)
new 1: insert into product values(104,'ipad',4500.00)
1 row created.
SQL> /
Enter value for product_id: 105
Enter value for product_name: cpu
Enter value for price: 7600.00
old 1: insert into product values(&product_id,'&product_name',&price)
new 1: insert into product values(105,'cpu',7600.00)
1 row created.
SQL> /
Enter value for product_id: 106
Enter value for product_name: ups
Enter value for price: 8373.00
old 1: insert into product values(&product_id,'&product_name',&price)
new 1: insert into product values(106,'ups',8373.00)
1 row created.
SQL> /
Enter value for product_id: 107
Enter value for product_name: cables
Enter value for price: 739.00
old 1: insert into product values(&product_id,'&product_name',&price)
new 1: insert into product values(107,'cables',739.00)
1 row created.
SQL> insert into orders values(&order_id,&cust_id,'&order_date');
Enter value for order_id: 1001
Enter value for cust_id: 1
Enter value for order_date: 01-MAY-2025
old 1: insert into orders values(&order_id,&cust_id,'&order_date')
new 1: insert into orders values(1001,1,'01-MAY-2025')
1 row created.


SQL Plus
SQL> /
Enter value for order_id: 1002
Enter value for cust_id: 2
Enter value for order_date: 15-JUN-2022
old 1: insert into orders values(&order_id,&cust_id,'&order_date')
new 1: insert into orders values(1002,2,'15-JUN-2022')
1 row created.
SQL> /
Enter value for order_id: 1003
Enter value for cust_id: 3
Enter value for order_date: 19-JUN-2020
old 1: insert into orders values(&order_id,&cust_id,'&order_date')
new 1: insert into orders values(1003,3,'19-JUN-2020')
1 row created.
SQL> /
Enter value for order_id: 1004
Enter value for cust_id: 4
Enter value for order_date: 15-JUL-2025
old 1: insert into orders values(&order_id,&cust_id,'&order_date')
new 1: insert into orders values(1004,4,'15-JUL-2025')
1 row created.
SQL> /
Enter value for order_id: 1005
Enter value for cust_id: 5
Enter value for order_date: 16-MAY-2020
old 1: insert into orders values(&order_id,&cust_id,'&order_date')
new 1: insert into orders values(1005,5,'16-MAY-2020')
1 row created.
SQL> /
Enter value for order_id: 1006
Enter value for cust_id: 6
Enter value for order_date: 05-JAN-2022
old 1: insert into orders values(&order_id,&cust_id,'&order_date')


SQL Plus
new 1: insert into orders values(1006,6,'05-JAN-2022')
1 row created.
SQL> /
Enter value for order_id: 1007
Enter value for cust_id: 7
Enter value for order_date: 05-JUN-2024
old 1: insert into orders values(&order_id,&cust_id,'&order_date')
new 1: insert into orders values(1007,7,'05-JUN-2024')
1 row created.
SQL> insert into orderdetails values(&order_detail_id,&order_id,&product_id,
2 &quantity);
Enter value for order_detail_id: 1
Enter value for order_id: 1001
Enter value for product_id: 101
old 1: insert into orderdetails values(&order_detail_id,&order_id,&product_id,
new 1: insert into orderdetails values(1,1001,101,
Enter value for quantity: 1
old 2: &quantity)
new 2: 1)
1 row created.


SQL Plus
SQL> /
Enter value for order_detail_id: 2
Enter value for order_id: 1001
Enter value for product_id: 102
Enter value for quantity: 2
old 1: insert into orderdetails values(&order_detail_id,&order_id,&product_id,&quantity)
new 1: insert into orderdetails values(2,1001,102,2)
1 row created.
SQL> /
Enter value for order_detail_id: 3
Enter value for order_id: 1002
Enter value for product_id: 103
Enter value for quantity: 1
old 1: insert into orderdetails values(&order_detail_id,&order_id,&product_id,&quantity)
new 1: insert into orderdetails values(3,1002,103,1)
1 row created.
SQL> /
Enter value for order_detail_id: 4
Enter value for order_id: 1004
Enter value for product_id: 107
Enter value for quantity: 3
old 1: insert into orderdetails values(&order_detail_id,&order_id,&product_id,&quantity)
new 1: insert into orderdetails values(4,1004,107,3)
1 row created.
SQL> /
Enter value for order_detail_id: 5
Enter value for order_id: 1002
Enter value for product_id: 104
Enter value for quantity: 5
old 1: insert into orderdetails values(&order_detail_id,&order_id,&product_id,&quantity)
new 1: insert into orderdetails values(5,1002,104,5)
1 row created.


SQL Plus
SQL> select * from cust;
CUST_ID CUST_NAME EMAIL
1 Sneha sneha@gmail.com
2 Mukesh Mukesh@gmail.com
3 Tharunya tharunya@gmail.com
4 Ragavi ragavi@gmail.com
5 Devasri dev@gmail.com
6 Shaziya shaziya@gmail.com
7 Devipriya devipriya@gmail.com
8 Rishi rishi@gmail.com
9 Kirthi Kirthi@gmail.com
10 Teena teena@gmail.com
10 rows selected.
SQL> select * from product;
PRODUCT_ID
PRODUCT_NAME
PRICE
101
laptop
10000
102
mouse
100
PRODUCT_ID
PRODUCT_NAME
PRICE


SQL Plus
PRICE
103
keyboard
300
104
ipad
PRODUCT_ID
PRODUCT_NAME
PRICE
4500
105
cpu
7600
106
PRODUCT_ID
PRODUCT_NAME
PRICE
ups
8373
107
cables
739
7 rows selected.

```
SQL> select * from orders;

  ORDER_ID    CUST_ID ORDER_DAT
---------- ---------- ---------
      1001          1 01-MAY-25
      1002          2 15-JUN-22
      1003          3 19-JUN-20
      1004          4 15-JUL-25
      1005          5 16-MAY-20
      1006          6 05-JAN-22
      1007          7 05-JUN-24

7 rows selected.

SQL> select * from orderdetails;

ORDER_DETAIL_ID   ORDER_ID PRODUCT_ID   QUANTITY
--------------- ---------- ---------- ----------
              1       1001        101          1
              2       1001        102          2
              3       1002        103          1
              4       1004        107          3
              5       1002        104          5

SQL>
```

```
SQL> select c.cust_name,o.order_id,o.order_date from cust c join orders o on c.cust_id=o.cust_id;

CUST_NAME            ORDER_ID ORDER_DAT
-------------------- ---------- ---------
Sneha                      1001 01-MAY-25
Mukesh                     1002 15-JUN-22
Tharunya                   1003 19-JUN-20
Ragavi                     1004 15-JUL-25
Devasri                    1005 16-MAY-20
Shaziya                    1006 05-JAN-22
Devipriya                  1007 05-JUN-24

7 rows selected.
```

```
SQL> select * from orders where order_date>'01-MAY-2025';

  ORDER_ID    CUST_ID ORDER_DAT
---------- ---------- ---------
      1004          4 15-JUL-25
```

```
SQL> select * from product where price<500.00;

PRODUCT_ID
----------
PRODUCT_NAME
--------------------------------------------------------------------------------
     PRICE
----------
       102
mouse
       100

       103
keyboard
       300

PRODUCT_ID
----------
PRODUCT_NAME
--------------------------------------------------------------------------------
     PRICE
----------
```

```
SQL> select c.cust_name,sum(p.price*od.quantity) as total_revenue from cust c join orders o on c.cust_id=o.cust_id join orderdetails od on o.order_id=od.ord
er_id join product p on od.product_id=p.product_id group by c.cust_name order by total_revenue desc;

CUST_NAME           TOTAL_REVENUE
------------------- -------------
Mukesh                      22800
Sneha                       10200
Ragavi                       2217
```

```
SQL> select order_date,count(order_id) as total_orders from orders group by order_date order by order_date asc;

ORDER_DAT TOTAL_ORDERS
--------- ------------
16-MAY-20            1
19-JUN-20            1
05-JAN-22            1
15-JUN-22            1
05-JUN-24            1
01-MAY-25            1
15-JUL-25            1
```

```
SQL> select c.cust_name,o.order_id,o.order_date from cust c inner join orders o on c.cust_id=o.cust_id;

CUST_NAME             ORDER_ID ORDER_DAT
-------------------- ---------- ---------
Sneha                      1001 01-MAY-25
Mukesh                     1002 15-JUN-22
Tharunya                   1003 19-JUN-20
Ragavi                     1004 15-JUL-25
Devasri                    1005 16-MAY-20
Shaziya                    1006 05-JAN-22
Devipriya                  1007 05-JUN-24

7 rows selected.
```

```
SQL> select c.cust_name,o.order_id,o.order_date from cust c left join orders o on c.cust_id=o.cust_id;

CUST_NAME             ORDER_ID ORDER_DAT
-------------------- ---------- ---------
Sneha                      1001 01-MAY-25
Mukesh                     1002 15-JUN-22
Tharunya                   1003 19-JUN-20
Ragavi                     1004 15-JUL-25
Devasri                    1005 16-MAY-20
Shaziya                    1006 05-JAN-22
Devipriya                  1007 05-JUN-24
Rishi
Teena
Kirthi

10 rows selected.
```

```
SQL> select cust_name from cust where cust_id in(select distinct cust_id from orders);

CUST_NAME
--------------------
Sneha
Mukesh
Tharunya
Ragavi
Devasri
Shaziya
Devipriya

7 rows selected.
```

CUST_NAME	TOTAL_ORDERS
Sneha	1
Mukesh	1
Tharunya	1
Ragavi	1
Devasri	1
Shaziya	1
Devipriya	1
Rishi	0
Kirthi	0
Teena	0

```
SQL> select c.cust_name,avg(p.price*od.quantity) as avg_order_value from cust c join orders o on c.cust_id=o.cust_id join orderdetails od on o.order_id=od.o
rder_id join product p on od.product_id=p.product_id group by c.cust_name;

CUST_NAME           AVG_ORDER_VALUE
------------------- ---------------
Sneha                          5100
Mukesh                        11400
Ragavi                         2217
```

```
SQL> select min(price) as cheapest_product,max(price) as most_expensive_product from product;

CHEAPEST_PRODUCT MOST_EXPENSIVE_PRODUCT
---------------- ----------------------
             100                  10000
```

```
SQL> create view custrevenue as select c.cust_id,c.cust_name,sum(p.price*od.quantity) as total_revenue from cust c join orders o on c.cust_id=o.cust_id join
 orderdetails od on o.order_id=od.order_id join product p on od.product_id=p.product_id group by c.cust_id,c.cust_name;

View created.
```

```
SQL> select * from custrevenue order by total_revenue desc;

   CUST_ID CUST_NAME           TOTAL_REVENUE
---------- ------------------- -------------
         2 Mukesh                      22800
         1 Sneha                       10200
         4 Ragavi                       2217
```

```
SQL> create view productssalessum as select p.product_id,p.product_name,sum(od.quantity) as total_quantity_sold,sum(od.quantity*p.price) as total_revenue fr
om product p join orderdetails od on p.product_id=od.product_id group by p.product_id,p.product_name;

View created.
```

```
SQL> select * from productssalessum order by total_revenue desc;

PRODUCT_ID
----------
PRODUCT_NAME
--------------------------------------------------------------------------------
TOTAL_QUANTITY_SOLD TOTAL_REVENUE
------------------- -------------
       104
ipad
                  5         22500

       101
laptop
                  1         10000

PRODUCT_ID
----------
PRODUCT_NAME
--------------------------------------------------------------------------------
TOTAL_QUANTITY_SOLD TOTAL_REVENUE
------------------- -------------

       107
cables
                  3          2217

       103
keyboard

PRODUCT_ID
----------
PRODUCT_NAME
--------------------------------------------------------------------------------
TOTAL_QUANTITY_SOLD TOTAL_REVENUE
------------------- -------------
                  1           300

       102
mouse
```

```
SQL>  create index idx_orders_cust_id on orders(cust_id);

Index created.

SQL> create index idx_prdts_price on product(price);

Index created.

SQL>
```