```
================================================================================
SQL*Plus: Release 21.0.0.0.0 - Production on Tue Dec 23 22:41:50 2025
Version 21.3.0.0.0

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Enter user-name: user1/pass1
Last Successful login time: Tue Dec 23 2025 19:33:57 +05:30

Connected to:
Oracle Database 21c Express Edition Release 21.0.0.0.0 - Production
Version 21.3.0.0.0

SQL> Select * from sales ;

       SID PNAME             QUANTITY     PPUNIT DISCOUNT_PERCENT GST_PERCENT
---------- --------------- ---------- ---------- ---------------- -----------
         1 Notebook               10         50               10          18
         2 Pen                    20         15                5          18
         3 Bag                     2       1200               15          18
         4 Calculator              1        800               12          18
         5 Water Bottle            3        300                8          18
         6 Pencil Box              4        150                5          18
         7 Geometry Box            2        220               10          18
         8 Register                6        120                7          18
         9 Laptop Stand            1       1500               18          18
        10 Mouse                   2        600               10          18
        11 Keyboard                1       1200               12          18

       SID PNAME             QUANTITY     PPUNIT DISCOUNT_PERCENT GST_PERCENT
---------- --------------- ---------- ---------- ---------------- -----------
        12 USB Drive               5        700               15          18
        13 Headphones              1       2500               20          18
        14 Charger                 2        900               10          18
        15 Power Bank              1       1800               15          18
        16 Tablet Cover            3        650                8          18
        17 Desk Lamp               1       1400               12          18
        18 Whiteboard              1       2200               18          18
        19 Marker Set              2        350                5          18
        20 Office Chair            1       7500               20          18
        21 Table                   3       1100               21          18

21 rows selected.

SQL> select
  2
SQL>
SQL>
SQL> select * from sales where pname like 'K%';
```

```
       SID PNAME            QUANTITY     PPUNIT DISCOUNT_PERCENT GST_PERCENT
---------- --------------- ---------- ---------- ---------------- -----------
        11 Keyboard                 1       1200               12          18

SQL> select abs(-30) from dual;

  ABS(-30)
----------
        30

SQL> edit
C:\Users\Ayush\OneDrive\Desktop\DATA_SCIENTIST\ORACLE_AND_MONGODB\PRACTISE\TRIGGER\
trig1.sql

SQL> edit
C:\Users\Ayush\OneDrive\Desktop\DATA_SCIENTIST\ORACLE_AND_MONGODB\PRACTISE\TRIGGER\
trig2.sql

SQL> set serveroutput on ;
SQL> @
C:\Users\Ayush\OneDrive\Desktop\DATA_SCIENTIST\ORACLE_AND_MONGODB\PRACTISE\TRIGGER\
trig2.sql

Trigger created.

SQL> desc sales1;
 Name                                      Null?    Type
 ----------------------------------------- -------- ----------------------------
 SID                                                NUMBER(5)
 PNAME                                              VARCHAR2(15)
 QUANTITY                                           NUMBER(5)
 PPUNIT                                             NUMBER(8,2)
 DISCOUNT_PERCENT                                   NUMBER(5,2)
 GST_PERCENT                                        NUMBER(5,2)

SQL> select * from sales1;

       SID PNAME            QUANTITY     PPUNIT DISCOUNT_PERCENT GST_PERCENT
---------- --------------- ---------- ---------- ---------------- -----------
         1 Notebook               10         50               10          18
         2 Pen                    20         15                5          18
         3 Bag                     2       1200               15          18
         4 Calculator              1        800               12          18
         5 Water Bottle            3        300                8          18
         6 Pencil Box              4        150                5          18
         7 Geometry Box            2        220               10          18
         8 Register                6        120                7          18
         9 Laptop Stand            1       1500               18          18
        10 Mouse                   2        600               10          18
        11 Keyboard                1       1200               12          18
```

```
       SID PNAME           QUANTITY      PPUNIT DISCOUNT_PERCENT GST_PERCENT
---------- --------------- ---------- ---------- ---------------- -----------
        12 USB Drive               5        700               15          18
        13 Headphones              1       2500               20          18
        14 Charger                 2        900               10          18
        15 Power Bank              1       1800               15          18
        16 Tablet Cover            3        650                8          18
        17 Desk Lamp               1       1400               12          18
        18 Whiteboard              1       2200               18          18
        19 Marker Set              2        350                5          18
        20 Office Chair            1       7500               20          18
        21 Table                   3       1100               21          18
        22 Chair                   4       1300               22          18

22 rows selected.

SQL> insert into sales1 values (23,'Book',5,300,13,18);
Book
New product sell successfully
Book
New product sell successfully

1 row created.

SQL> Select * from sales1;

       SID PNAME           QUANTITY      PPUNIT DISCOUNT_PERCENT GST_PERCENT
---------- --------------- ---------- ---------- ---------------- -----------
         1 Notebook               10         50               10          18
         2 Pen                    20         15                5          18
         3 Bag                     2       1200               15          18
         4 Calculator              1        800               12          18
         5 Water Bottle            3        300                8          18
         6 Pencil Box              4        150                5          18
         7 Geometry Box            2        220               10          18
         8 Register                6        120                7          18
         9 Laptop Stand            1       1500               18          18
        10 Mouse                   2        600               10          18
        11 Keyboard                1       1200               12          18

       SID PNAME           QUANTITY      PPUNIT DISCOUNT_PERCENT GST_PERCENT
---------- --------------- ---------- ---------- ---------------- -----------
        12 USB Drive               5        700               15          18
        13 Headphones              1       2500               20          18
        14 Charger                 2        900               10          18
        15 Power Bank              1       1800               15          18
        16 Tablet Cover            3        650                8          18
        17 Desk Lamp               1       1400               12          18
        18 Whiteboard              1       2200               18          18
```

```
    19 Marker Set                 2         350                5           18
    20 Office Chair               1        7500               20           18
    21 Table                      3        1100               21           18
    22 Chair                      4        1300               22           18

       SID PNAME              QUANTITY      PPUNIT DISCOUNT_PERCENT GST_PERCENT
---------- --------------- ---------- ---------- ---------------- -----------
    23 Book                       5         300                13           18

23 rows selected.

SQL> select ppunit*quantity from dual;
select ppunit*quantity from dual
            *
ERROR at line 1:
ORA-00904: "QUANTITY": invalid identifier


SQL> select pname,ppunit,quantity,(ppunit*quantity) as initialamount  from sales1;

PNAME               PPUNIT   QUANTITY INITIALAMOUNT
--------------- ---------- ---------- -------------
Notebook                50         10           500
Pen                     15         20           300
Bag                   1200          2          2400
Calculator             800          1           800
Water Bottle           300          3           900
Pencil Box             150          4           600
Geometry Box           220          2           440
Register               120          6           720
Laptop Stand          1500          1          1500
Mouse                  600          2          1200
Keyboard              1200          1          1200

PNAME               PPUNIT   QUANTITY INITIALAMOUNT
--------------- ---------- ---------- -------------
USB Drive              700          5          3500
Headphones            2500          1          2500
Charger                900          2          1800
Power Bank            1800          1          1800
Tablet Cover           650          3          1950
Desk Lamp             1400          1          1400
Whiteboard            2200          1          2200
Marker Set             350          2           700
Office Chair          7500          1          7500
Table                 1100          3          3300
Chair                 1300          4          5200

PNAME               PPUNIT   QUANTITY INITIALAMOUNT
--------------- ---------- ---------- -------------
```

```
Book                   300         5          1500

23 rows selected.

SQL> select pname,ppunit,quantity,(ppunit*quantity) as
initialamount,(((ppunit*quantity)-discount_percent/100)*gst_percent/100) as
finalamount  from sales1;

PNAME              PPUNIT   QUANTITY INITIALAMOUNT FINALAMOUNT
--------------- ---------- ---------- ------------- -----------
Notebook               50         10           500      89.982
Pen                    15         20           300      53.991
Bag                  1200          2          2400     431.973
Calculator            800          1           800    143.9784
Water Bottle          300          3           900    161.9856
Pencil Box            150          4           600     107.991
Geometry Box          220          2           440      79.182
Register              120          6           720    129.5874
Laptop Stand         1500          1          1500    269.9676
Mouse                 600          2          1200     215.982
Keyboard             1200          1          1200    215.9784

PNAME              PPUNIT   QUANTITY INITIALAMOUNT FINALAMOUNT
--------------- ---------- ---------- ------------- -----------
USB Drive             700          5          3500     629.973
Headphones           2500          1          2500     449.964
Charger               900          2          1800     323.982
Power Bank           1800          1          1800     323.973
Tablet Cover          650          3          1950    350.9856
Desk Lamp            1400          1          1400    251.9784
Whiteboard           2200          1          2200    395.9676
Marker Set            350          2           700     125.991
Office Chair         7500          1          7500    1349.964
Table                1100          3          3300    593.9622
Chair                1300          4          5200    935.9604

PNAME              PPUNIT   QUANTITY INITIALAMOUNT FINALAMOUNT
--------------- ---------- ---------- ------------- -----------
Book                  300          5          1500    269.9766

23 rows selected.

SQL> select pname,ppunit,quantity,(ppunit*quantity) as initialamount from sales1;

PNAME              PPUNIT   QUANTITY INITIALAMOUNT
--------------- ---------- ---------- -------------
Notebook               50         10           500
Pen                    15         20           300
Bag                  1200          2          2400
Calculator            800          1           800
```

```
Water Bottle            300             3            900
Pencil Box              150             4            600
Geometry Box            220             2            440
Register                120             6            720
Laptop Stand           1500             1           1500
Mouse                   600             2           1200
Keyboard               1200             1           1200

PNAME               PPUNIT   QUANTITY INITIALAMOUNT
--------------- ---------- ---------- -------------
USB Drive               700             5           3500
Headphones             2500             1           2500
Charger                 900             2           1800
Power Bank             1800             1           1800
Tablet Cover            650             3           1950
Desk Lamp              1400             1           1400
Whiteboard             2200             1           2200
Marker Set              350             2            700
Office Chair           7500             1           7500
Table                  1100             3           3300
Chair                  1300             4           5200

PNAME               PPUNIT   QUANTITY INITIALAMOUNT
--------------- ---------- ---------- -------------
Book                    300             5           1500

23 rows selected.

SQL> create table sales3 as select pname,ppunit,quantity,(ppunit*quantity) as
initialamount from sales1;

Table created.

SQL> Select * from sales3;

PNAME               PPUNIT   QUANTITY INITIALAMOUNT
--------------- ---------- ---------- -------------
Notebook                 50            10            500
Pen                      15            20            300
Bag                    1200             2           2400
Calculator              800             1            800
Water Bottle            300             3            900
Pencil Box              150             4            600
Geometry Box            220             2            440
Register                120             6            720
Laptop Stand           1500             1           1500
Mouse                   600             2           1200
Keyboard               1200             1           1200

PNAME               PPUNIT   QUANTITY INITIALAMOUNT
```

```
---------------  ----------  ----------  -------------
USB Drive               700           5           3500
Headphones             2500           1           2500
Charger                 900           2           1800
Power Bank             1800           1           1800
Tablet Cover            650           3           1950
Desk Lamp              1400           1           1400
Whiteboard             2200           1           2200
Marker Set              350           2            700
Office Chair           7500           1           7500
Table                  1100           3           3300
Chair                  1300           4           5200

PNAME               PPUNIT    QUANTITY INITIALAMOUNT
---------------  ----------  ----------  -------------
Book                    300           5           1500

23 rows selected.

SQL> alter table sales3 alter sales3 rename to sales_amount ;
alter table sales3 alter sales3 rename to sales_amount
                 *
ERROR at line 1:
ORA-01735: invalid ALTER TABLE option


SQL> alter table sales3 alter table rename to sales_amount ;
alter table sales3 alter table rename to sales_amount
                 *
ERROR at line 1:
ORA-01735: invalid ALTER TABLE option


SQL> alter table sales3 rename sales3 to sales_amount ;
alter table sales3 rename sales3 to sales_amount
                           *
ERROR at line 1:
ORA-14155: missing PARTITION, PARTITIONS, SUBPARTITION, or SUBPARTITIONS
keyword


SQL> SElect * from sales3;

PNAME               PPUNIT    QUANTITY INITIALAMOUNT
---------------  ----------  ----------  -------------
Notebook                 50          10            500
Pen                      15          20            300
Bag                    1200           2           2400
Calculator              800           1            800
Water Bottle            300           3            900
```

```
Pencil Box              150          4            600
Geometry Box            220          2            440
Register                120          6            720
Laptop Stand           1500          1           1500
Mouse                   600          2           1200
Keyboard               1200          1           1200

PNAME              PPUNIT    QUANTITY INITIALAMOUNT
--------------- ---------- ---------- -------------
USB Drive               700          5           3500
Headphones             2500          1           2500
Charger                 900          2           1800
Power Bank             1800          1           1800
Tablet Cover            650          3           1950
Desk Lamp              1400          1           1400
Whiteboard             2200          1           2200
Marker Set              350          2            700
Office Chair           7500          1           7500
Table                  1100          3           3300
Chair                  1300          4           5200

PNAME              PPUNIT    QUANTITY INITIALAMOUNT
--------------- ---------- ---------- -------------
Book                    300          5           1500

23 rows selected.

SQL> edit
C:\Users\Ayush\OneDrive\Desktop\DATA_SCIENTIST\ORACLE_AND_MONGODB\PRACTISE\TRIGGER\
trig3.sql

SQL> set serveroutput on ;
SQL> set serveroutput on ;
SQL> #
C:\Users\Ayush\OneDrive\Desktop\DATA_SCIENTIST\ORACLE_AND_MONGODB\PRACTISE\TRIGGER\
trig3.sql
SP2-0023: String not found.
SQL> edit
C:\Users\Ayush\OneDrive\Desktop\DATA_SCIENTIST\ORACLE_AND_MONGODB\PRACTISE\TRIGGER\
trig3.sql

SQL> @
C:\Users\Ayush\OneDrive\Desktop\DATA_SCIENTIST\ORACLE_AND_MONGODB\PRACTISE\TRIGGER\
trig3.sql

Warning: Trigger created with compilation errors.

SQL> edit
C:\Users\Ayush\OneDrive\Desktop\DATA_SCIENTIST\ORACLE_AND_MONGODB\PRACTISE\TRIGGER\
trig3.sql
```

```
SQL> @
C:\Users\Ayush\OneDrive\Desktop\DATA_SCIENTIST\ORACLE_AND_MONGODB\PRACTISE\TRIGGER\
trig3.sql

Warning: Trigger created with compilation errors.

SQL> show error;
Errors for TRIGGER TRIG3:

LINE/COL ERROR
-------- ------------------------------------------------------------------
4/3      PLS-00049: bad bind variable 'NEW.COMPANY'
SQL> edit
C:\Users\Ayush\OneDrive\Desktop\DATA_SCIENTIST\ORACLE_AND_MONGODB\PRACTISE\TRIGGER\
trig3.sql

SQL> @
C:\Users\Ayush\OneDrive\Desktop\DATA_SCIENTIST\ORACLE_AND_MONGODB\PRACTISE\TRIGGER\
trig3.sql

Trigger created.

SQL> desc sale3;
ERROR:
ORA-04043: object sale3 does not exist


SQL> desc sales3;
 Name                                      Null?    Type
 ----------------------------------------- -------- ----------------------------
 PNAME                                              VARCHAR2(15)
 PPUNIT                                             NUMBER(8,2)
 QUANTITY                                           NUMBER(5)
 INITIALAMOUNT                                      NUMBER

SQL> insert into sales3 values (null,1100,2,2200);

1 row created.

SQL> select * from sales3;

PNAME               PPUNIT   QUANTITY INITIALAMOUNT
--------------- ---------- ---------- -------------
Notebook                50         10           500
Pen                     15         20           300
Bag                   1200          2          2400
Calculator             800          1           800
Water Bottle           300          3           900
Pencil Box             150          4           600
```

```
Geometry Box            220            2            440
Register                120            6            720
Laptop Stand           1500            1           1500
Mouse                   600            2           1200
Keyboard               1200            1           1200

PNAME                 PPUNIT   QUANTITY INITIALAMOUNT
---------------    ----------  ---------- -------------
USB Drive               700            5           3500
Headphones             2500            1           2500
Charger                 900            2           1800
Power Bank             1800            1           1800
Tablet Cover            650            3           1950
Desk Lamp              1400            1           1400
Whiteboard             2200            1           2200
Marker Set              350            2            700
Office Chair           7500            1           7500
Table                  1100            3           3300
Chair                  1300            4           5200

PNAME                 PPUNIT   QUANTITY INITIALAMOUNT
---------------    ----------  ---------- -------------
Book                    300            5           1500
Adapter                1100            2           2200

24 rows selected.
```