

SQL*Plus: Release 21.0.0.0.0 - Production on Wed Dec 24 09:52:15 2025
Version 21.3.0.0.0

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Oracle Database 21c Express Edition Release 21.0.0.0.0 - Production

Version 21.3.0.0.0

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 * 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> 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> 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
initialamt number
*
ERROR at line 2:
ORA-04079: invalid trigger specification

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> show errors ;
Errors for TRIGGER TRIG3:

LINE/COL ERROR

```
-----  
13/2      PL/SQL: Statement ignored  
13/2      PLS-00201: identifier 'INITIALAMOUNT' must be declared  
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> edit  
C:\Users\Ayush\OneDrive\Desktop\DATA_SCIENTIST\ORACLE_AND_MONGODB\PRACTISE\TRIGGER\  
trig3.sql
```

```
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> insert into sales3 values (null,23,10,null);
```

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	23	10	230

24 rows selected.

```
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 errors;
Errors for TRIGGER TRIG3:
```

```
LINE/COL ERROR
```

```
-----  
4/25      PLS-00049: bad bind variable 'NEW.MAX'
```

```
SQL> edit
```

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

```
SQL> select count(pname) from sale3;
select count(pname) from sale3
      *
```

```
ERROR at line 1:
```

```
ORA-00942: table or view does not exist
```

```
SQL> select count(pname) from sales3;
```

```
COUNT(PNAME)
```

```
-----  
24
```

```
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> 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	23	10	230

24 rows selected.

```
SQL> insert into sales3 values(null,45,23,null);
```

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	23	10	230
Product25	45	23	1035

25 rows selected.

```
SQL> insert into sales3 values(null,45,null,null);
```

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	23	10	230
Product25	45	23	1035
Product26	45		

26 rows selected.

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

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> show errors ;
Errors for TRIGGER TRIG3:

LINE/COL ERROR

21/4 PLS-00103: Encountered the symbol ";" when expecting one of the
following:
if

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

SQL> show errors ;
Errors for TRIGGER TRIG3:

LINE/COL ERROR

21/4 PLS-00103: Encountered the symbol ";" when expecting one of the
following:
if

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

```
Trigger created.
```

```
SQL> insert into sales3 values(null,23,null,null);
```

```
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	23	10	230
Product25	45	23	1035
Product26	45		
Product27	23		

```
27 rows selected.
```

```
SQL> insert into sales3 values(null,23,null,0);
```

```
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	23	10	230
Product25	45	23	1035
Product26	45		
Product27	23		
Product28	23		

```
28 rows selected.
```

```
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> set serveroutput on ;
SQL> insert into sales3 values(null,23,54,null);
```

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	23	10	230
Product25	45	23	1035
Product26	45		
Product27	23		
Product28	23		
Product29	23	54	1242

29 rows selected.

```
SQL> insert into sales3 values(null,null,45,0);
```

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	23	10	230
Product25	45	23	1035
Product26	45		
Product27	23		
Product28	23		
Product29	23	54	1242
Product30		45	

30 rows selected.

```
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> update sales3 set pppunit=0 where ppunit  is null;
update sales3 set pppunit=0 where ppunit  is null
*
```

ERROR at line 1:

ORA-00904: "PPUNIT": invalid identifier

```
SQL> update sales3 set ppunit=0 where ppunit  is null;
```

1 row updated.

```
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	23	10	230
Product25	45	23	1035
Product26	45		
Product27	23		
Product28	23		
Product29	23	54	1242
Product30	0	45	

30 rows selected.

```
SQL> update sales3 set quantity=0 where quantity is null;
```

3 rows updated.

```
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	23	10	230
Product25	45	23	1035
Product26	45	0	
Product27	23	0	
Product28	23	0	
Product29	23	54	1242
Product30	0	45	

30 rows selected.

SQL> edit
C:\Users\Ayush\OneDrive\Desktop\DATA_SCIENTIST\ORACLE_AND_MONGODB\PRACTISE\TRIGGER\trig4.sql

SQL> @
C:\Users\Ayush\OneDrive\Desktop\DATA_SCIENTIST\ORACLE_AND_MONGODB\PRACTISE\TRIGGER\trig4.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 ('Table',115,5,null);
insert into sales3 values ('Table',115,5,null)
*
ERROR at line 1:
ORA-04091: table USER1.SALES3 is mutating, trigger/function may not see it
ORA-06512: at "USER1.TRIG4", line 3
ORA-04088: error during execution of trigger 'USER1.TRIG4'

SQL> @
C:\Users\Ayush\OneDrive\Desktop\DATA_SCIENTIST\ORACLE_AND_MONGODB\PRACTISE\TRIGGER\trig4.sql

Trigger created.

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

trig4.sql

```
SQL> show error;
No errors.
SQL> @
C:\Users\Ayush\OneDrive\Desktop\DATA_SCIENTIST\ORACLE_AND_MONGODB\PRACTISE\TRIGGER\
trig4.sql
```

Trigger 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	23	10	230
Product25	45	23	1035
Product26	45	0	
Product27	23	0	
Product28	23	0	
Product29	23	54	1242
Product30	0	45	

30 rows selected.

```
SQL> edit  
C:\Users\Ayush\OneDrive\Desktop\DATA_SCIENTIST\ORACLE_AND_MONGODB\PRACTISE\TRIGGER\  
trig4.sql
```

```
SQL> @  
C:\Users\Ayush\OneDrive\Desktop\DATA_SCIENTIST\ORACLE_AND_MONGODB\PRACTISE\TRIGGER\  
trig4.sql
```

Trigger created.

```
SQL> insert into sales3 values ('Table',115,5,null);
insert into sales3 values ('Table',115,5,null)
*
ERROR at line 1:
ORA-04091: table USER1.SALES3 is mutating, trigger/function may not see it
ORA-06512: at "USER1.TRIG4", line 2
ORA-04088: error during execution of trigger 'USER1.TRIG4'
```

```
SQL> edit  
C:\Users\Ayush\OneDrive\Desktop\DATA_SCIENTIST\ORACLE_AND_MONGODB\PRACTISE\TRIGGER\  
trig4.sql
```

```
SQL> @  
C:\Users\Ayush\OneDrive\Desktop\DATA_SCIENTIST\ORACLE_AND_MONGODB\PRACTISE\TRIGGER\  
trig4.sql
```

Trigger created.

ORA-04088: error during execution of trigger 'USER1.TRIG4'
 ORA-06512: at "USER1.TRIG4", line 2
 ORA-04088: error during execution of trigger 'USER1.TRIG4'
 ORA-06512: at "USER1.TRIG4", line 2
 ORA-04088: error during execution of trigger 'USER1.TRIG4'
 ORA-06512: at "USER1.TRIG4", line 2
 ORA-04088: error during execution of trigger 'USER1.TRIG4'
 ORA-06512: at "USER1.TRIG4", line 2
 ORA-04088: error during execution of trigger 'USER1.TRIG4'
 ORA-06512: at "USER1.TRIG4", line 2
 ORA-04088: error during execution of trigger 'USER1.TRIG4'
 ORA-06512: at "USER1.TRIG4", line 2
 ORA-04088: error during execution of trigger 'USER1.TRIG4'
 ORA-06512: at "USER1.TRIG4", line 2
 ORA-04088: error during execution of trigger 'USER1.TRIG4'
 ORA-06512: at "USER1.TRIG4", line 2
 ORA-04088: error during execution of trigger 'USER1.TRIG4'
 ORA-06512: at "USER1.TRIG4", line 2
 ORA-04088: error during execution of trigger 'USER1.TRIG4'
 ORA-06512: at "USER1.TRIG4", line 2
 ORA-04088: error during execution of trigger 'USER1.TRIG4'
 ORA-06512: at "USER1.TRIG4", line 2

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	23	10	230
Product25	45	23	1035
Product26	45	0	
Product27	23	0	
Product28	23	0	
Product29	23	54	1242
Product30	0	45	

30 rows selected.

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

Trigger created.

```
ORA-06512: at "USER1.TRIG4", line 2
ORA-04088: error during execution of trigger 'USER1.TRIG4'
ORA-06512: at "USER1.TRIG4", line 2
ORA-04088: error during execution of trigger 'USER1.TRIG4'
ORA-06512: at "USER1.TRIG4", line 2
```

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

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

Trigger created.

30 rows deleted.

```
SQL> rollback ;
```

```
Rollback complete.
```

```
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	23	10	230
Product25	45	23	1035
Product26	45	0	
Product27	23	0	
Product28	23	0	
Product29	23	54	1242
Product30	0	45	

```
30 rows selected.
```

```
SQL> select * from sales3 order by initialamount 1  
2 ;
```

```
select * from sales3 order by initialamount 1  
*
```

ERROR at line 1:

ORA-00933: SQL command not properly ended

```
SQL> select * from sales3 order by initialamount ;
```

PNAME	PPUNIT	QUANTITY	INITIALAMOUNT
Adapter	23	10	230
Pen	15	20	300
Geometry Box	220	2	440
Notebook	50	10	500
Pencil Box	150	4	600
Marker Set	350	2	700
Register	120	6	720
Calculator	800	1	800
Water Bottle	300	3	900
Product25	45	23	1035
Mouse	600	2	1200

PNAME	PPUNIT	QUANTITY	INITIALAMOUNT
Keyboard	1200	1	1200
Product29	23	54	1242
Desk Lamp	1400	1	1400
Book	300	5	1500
Laptop Stand	1500	1	1500
Charger	900	2	1800
Power Bank	1800	1	1800
Tablet Cover	650	3	1950
Whiteboard	2200	1	2200
Bag	1200	2	2400
Headphones	2500	1	2500

PNAME	PPUNIT	QUANTITY	INITIALAMOUNT
Table	1100	3	3300
USB Drive	700	5	3500
Chair	1300	4	5200
Office Chair	7500	1	7500
Product26	45	0	
Product27	23	0	
Product28	23	0	
Product30	0	45	

30 rows selected.

```
SQL> delete from sales3 where initialamount<1000;
```

```
One record deleted
```

9 rows deleted.

```
SQL> rollback;
```

Rollback complete.

```
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	23	10	230

Product25	45	23	1035
Product26	45	0	
Product27	23	0	
Product28	23	0	
Product29	23	54	1242
Product30	0	45	

30 rows selected.

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

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

Trigger created.

```
SQL> update sales3 set initial_amount = ppunit*quantity where initialamount is
null;
update sales3 set initial_amount = ppunit*quantity where initialamount is null
*
ERROR at line 1:
ORA-00904: "INITIAL_AMOUNT": invalid identifier
```

```
SQL> update sales3 set initialamount = ppunit*quantity where initialamount is null;
Sales3 Table updated
Sales3 Table updated
Sales3 Table updated
Sales3 Table updated
```

4 rows updated.

```
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	23	10	230
Product25	45	23	1035
Product26	45	0	0
Product27	23	0	0
Product28	23	0	0
Product29	23	54	1242
Product30	0	45	0

30 rows selected.

```

SQL> @
C:\Users\Ayush\OneDrive\Desktop\DATA_SCIENTIST\ORACLE_AND_MONGODB\PRACTISE\TRIGGER\
update_sepcific_columns.sql
SP2-0310: unable to open file
"C:\Users\Ayush\OneDrive\Desktop\DATA_SCIENTIST\ORACLE_AND_MONGODB\PRACTISE\TRIGGER\
\update_sepcific_columns.sql"
SQL> @
C:\Users\Ayush\OneDrive\Desktop\DATA_SCIENTIST\ORACLE_AND_MONGODB\PRACTISE\TRIGGER\
update_sepcific_columns.sql;
SP2-0310: unable to open file
"C:\Users\Ayush\OneDrive\Desktop\DATA_SCIENTIST\ORACLE_AND_MONGODB\PRACTISE\TRIGGER\
\update_sepcific_columns.sql"
SQL> edot
C:\Users\Ayush\OneDrive\Desktop\DATA_SCIENTIST\ORACLE_AND_MONGODB\PRACTISE\TRIGGER\
update_sepcific_columns.sql;
SP2-0734: unknown command beginning "edot C:\Us..." - rest of line ignored.
SQL> ed
C:\Users\Ayush\OneDrive\Desktop\DATA_SCIENTIST\ORACLE_AND_MONGODB\PRACTISE\TRIGGER\
update_sepcific_columns.sql;

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

```

```
update_sepcific_columns.sql;
```

Trigger created.

```
SQL> update sales3 set ppunit=56 where initialamount = 0;  
Sales3 table updated  
Sales3 table updated  
Sales3 table updated  
Sales3 table updated
```

4 rows updated.

```
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	23	10	230
Product25	45	23	1035
Product26	56	0	0
Product27	56	0	0
Product28	56	0	0

Product29	23	54	1242
Product30	56	45	0

30 rows selected.

```
SQL> update sales3 set ppunit = 34 where ppunit=23;
Sales3 table updated
Sales3 table updated
```

2 rows updated.

```
SQL> select * from sales33 ;
select * from sales33
*
ERROR at line 1:
ORA-00942: table or view does not exist
```

```
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	34	10	230
Product25	45	23	1035
Product26	56	0	0
Product27	56	0	0
Product28	56	0	0
Product29	34	54	1242
Product30	56	45	0

30 rows selected.

SQL> edit

C:\Users\Ayush\OneDrive\Desktop\DATA_SCIENTIST\ORACLE_AND_MONGODB\PRACTISE\TRIGGER\trig1 ;

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> 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> 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	34	10	230
Product25	45	23	1035
Product26	56	0	0
Product27	56	0	0
Product28	56	0	0
Product29	34	54	1242
Product30	56	45	0

30 rows selected.

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

Trigger created.

```
SQL> ed
C:\Users\Ayush\OneDrive\Desktop\DATA_SCIENTIST\ORACLE_AND_MONGODB\PRACTISE\TRIGGER\
update_sepcific_columns.sql;
```

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

Warning: Trigger created with compilation errors.

```
SQL> ed
C:\Users\Ayush\OneDrive\Desktop\DATA_SCIENTIST\ORACLE_AND_MONGODB\PRACTISE\TRIGGER\
update_sepcific_columns.sql;
```

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

Warning: Trigger created with compilation errors.

```
SQL> show errors;
Errors for TRIGGER TRIG5:
```

LINE/COL ERROR

```
-----  
4/2      PL/SQL: Statement ignored  
4/24     PLS-00201: identifier 'PPUNIT' must be declared
```

SQL> ed

C:\Users\Ayush\OneDrive\Desktop\DATA_SCIENTIST\ORACLE_AND_MONGODB\PRACTISE\TRIGGER\update_sepcific_columns.sql;

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

Trigger 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	34	10	230
Product25	45	23	1035
Product26	56	0	0
Product27	56	0	0
Product28	56	0	0
Product29	34	54	1242
Product30	56	45	0

30 rows selected.

```
SQL> update sales3 set ppunit = 34 where initialamount=1242 ;
Sales3 table updated
```

1 row updated.

```
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	34	10	230
Product25	45	23	1035
Product26	56	0	0
Product27	56	0	0
Product28	56	0	0
Product29	34	54	1836
Product30	56	45	0

30 rows selected.

```
SQL> update sales3 set quantity = 4 where quantity = 0 ;
Sales3 table updated
Sales3 table updated
Sales3 table updated
```

3 rows updated.

```
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	34	10	230
Product25	45	23	1035
Product26	56	4	0
Product27	56	4	0
Product28	56	4	0
Product29	34	54	1836
Product30	56	45	0

30 rows selected.

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

Trigger created.

SQL> ed
C:\Users\Ayush\OneDrive\Desktop\DATA_SCIENTIST\ORACLE_AND_MONGODB\PRACTISE\TRIGGER\update_sepcific_columns.sql;

SQL> @
C:\Users\Ayush\OneDrive\Desktop\DATA_SCIENTIST\ORACLE_AND_MONGODB\PRACTISE\TRIGGER\update_sepcific_columns.sql;
create or replace trigger trig5 before update or insert on sales3 for each row
*

ERROR at line 1:

ORA-04085: cannot change the value of an OLD reference variable

SQL> ed
C:\Users\Ayush\OneDrive\Desktop\DATA_SCIENTIST\ORACLE_AND_MONGODB\PRACTISE\TRIGGER\update_sepcific_columns.sql;

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

Trigger 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	34	10	230
Product25	45	23	1035
Product26	56	4	0
Product27	56	4	0
Product28	56	4	0
Product29	34	54	1836
Product30	56	45	0

30 rows selected.

```
SQL> update sales3 set ppunit=21 where initialamountv=0;
update sales3 set ppunit=21 where initialamountv=0
*
```

```
ERROR at line 1:
ORA-00904: "INITIALAMOUNTV": invalid identifier
```

```
SQL> update sales3 set ppunit=21 where initialamount=0;
Sales3 table updated
Sales3 table updated
Sales3 table updated
Sales3 table updated
```

4 rows updated.

```
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	34	10	230
Product25	45	23	1035
Product26	21	4	224
Product27	21	4	224
Product28	21	4	224
Product29	34	54	1836
Product30	21	45	2520

30 rows selected.

```
SQL> update sales3 set quantity = 5 where quantity = 4 ;
Sales3 table updated
```

5 rows updated.

```
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	5	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	5	5200

PNAME	PPUNIT	QUANTITY	INITIALAMOUNT
Book	300	5	1500
Adapter	34	10	230
Product25	45	23	1035
Product26	21	5	84
Product27	21	5	84
Product28	21	5	84
Product29	34	54	1836
Product30	21	45	2520

30 rows selected.

```
SQL> ed
C:\Users\Ayush\OneDrive\Desktop\DATA_SCIENTIST\ORACLE_AND_MONGODB\PRACTISE\TRIGGER\
update_sepcific_columns.sql;
```

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

Trigger 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	5	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	5	5200

PNAME	PPUNIT	QUANTITY	INITIALAMOUNT
Book	300	5	1500
Adapter	34	10	230
Product25	45	23	1035
Product26	21	5	84
Product27	21	5	84
Product28	21	5	84
Product29	34	54	1836
Product30	21	45	2520

30 rows selected.

SQL> update sales3 set quantity = 5 where quantity = 5 ;

Sales3 table updated

Sales3 table updated

Sales3 table updated

Sales3 table updated

```
Sales3 table updated  
Sales3 table updated  
Sales3 table updated
```

7 rows updated.

```
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 * 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	5	750
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	5	6500

PNAME	PPUNIT	QUANTITY	INITIALAMOUNT
Book	300	5	1500
Adapter	34	10	230
Product25	45	23	1035
Product26	21	5	105
Product27	21	5	105
Product28	21	5	105
Product29	34	54	1836
Product30	21	45	2520

30 rows selected.

```
SQL> update sales3 set ppunit = 67 where quantity>5 ;
Sales3 table updated
```

7 rows updated.

```
SQL> select * from sales3 ;
```

PNAME	PPUNIT	QUANTITY	INITIALAMOUNT
Notebook	67	10	500
Pen	67	20	300
Bag	1200	2	2400
Calculator	800	1	800
Water Bottle	300	3	900

Pencil Box	150	5	750
Geometry Box	220	2	440
Register	67	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	5	6500

PNAME	PPUNIT	QUANTITY	INITIALAMOUNT
Book	300	5	1500
Adapter	67	10	340
Product25	67	23	1035
Product26	21	5	105
Product27	21	5	105
Product28	21	5	105
Product29	67	54	1836
Product30	67	45	945

30 rows selected.

SQL> select count(initialamount) from sales3 ;

COUNT(INITIALAMOUNT)

30

SQL> select sum (initialamount) from sales3 ;

SUM(INITIALAMOUNT)

49831

SQL> rollback ;

Rollback complete.

```
SQL> select sum(initialamount) from sales3 ;
```

```
SUM(INITIALAMOUNT)
```

```
-----  
49783
```

```
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	5	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	5	5200

PNAME	PPUNIT	QUANTITY	INITIALAMOUNT
Book	300	5	1500
Adapter	34	10	230
Product25	45	23	1035
Product26	21	5	84
Product27	21	5	84
Product28	21	5	84
Product29	34	54	1836
Product30	21	45	2520

```
30 rows selected.
```

```
SQL> edot
```

```

C:\Users\Ayush\OneDrive\Desktop\DATA_SCIENTIST\ORACLE_AND_MONGODB\PRACTISE\TRIGGER
SP2-0734: unknown command beginning "edot C:\Us..." - rest of line ignored.
SQL> ed
C:\Users\Ayush\OneDrive\Desktop\DATA_SCIENTIST\ORACLE_AND_MONGODB\PRACTISE\TRIGGER

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

SQL> ed
C:\Users\Ayush\OneDrive\Desktop\DATA_SCIENTIST\ORACLE_AND_MONGODB\PRACTISE\TRIGGER\
update_sepcific_columns.sql;

SQL> update sales3 set ppunit =29 where initialamount = 0 ;
0 rows updated.

SQL> update sales3 set ppunit =29 where initialamount like  ;
update sales3 set ppunit =29 where initialamount like
*
ERROR at line 1:
ORA-00936: missing expression

SQL> update sales3 set ppunit =29 where initialamount like '8%';
Sales3 table updated
Sales3 table updated
Sales3 table updated
Sales3 table updated

4 rows updated.

SQL> select * from sales3;
2
SQL> select * from sales3;

PNAME          PPUNIT   QUANTITY INITIALAMOUNT
-----  -----
Notebook        50       10      500
Pen             15       20      300
Bag            1200      2      2400
Calculator      29       1      800
Water Bottle    300      3      900
Pencil Box     150      5      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	5	5200

PNAME	PPUNIT	QUANTITY	INITIALAMOUNT
Book	300	5	1500
Adapter	34	10	230
Product25	45	23	1035
Product26	29	5	105
Product27	29	5	105
Product28	29	5	105
Product29	34	54	1836
Product30	21	45	2520

30 rows selected.

```
SQL> select sum(ppunit),sum(quantity),sum(initialamount) from sales3 ;
```

SUM(PPUNIT)	SUM(QUANTITY)	SUM(INITIALAMOUNT)
26305	230	49846

```
SQL> ed
```

```
C:\Users\Ayush\OneDrive\Desktop\DATA_SCIENTIST\ORACLE_AND_MONGODB\PRACTISE\TRIGGER\update_sepcific_columns.sql;
```

```
SQL> @
```

```
C:\Users\Ayush\OneDrive\Desktop\DATA_SCIENTIST\ORACLE_AND_MONGODB\PRACTISE\TRIGGER\update_sepcific_columns.sql;
```

Trigger created.

```
SQL> select * from sales3 ;
```

PNAME	PPUNIT	QUANTITY	INITIALAMOUNT
Notebook	50	10	500
Pen	15	20	300
Bag	1200	2	2400

Calculator	29	1	800
Water Bottle	300	3	900
Pencil Box	150	5	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	5	5200

PNAME	PPUNIT	QUANTITY	INITIALAMOUNT
Book	300	5	1500
Adapter	34	10	230
Product25	45	23	1035
Product26	29	5	105
Product27	29	5	105
Product28	29	5	105
Product29	34	54	1836
Product30	21	45	2520

30 rows selected.

```
SQL> update sales3 set ppunit=30 where ppunit<50 ;
Sales3 table updated
update sales3 set ppunit=30 where ppunit<50
*
ERROR at line 1:
ORA-04091: table USER1.SALES3 is mutating, trigger/function may not see it
ORA-06512: at "USER1.TRIG5", line 11
ORA-04088: error during execution of trigger 'USER1.TRIG5'
```

```
SQL> show errors;
No errors.
SQL> update sales3 set ppunit = 21 where initialamount<300;
Sales3 table updated
```

```

update sales3 set ppunit = 21 where initialamount<300
*
ERROR at line 1:
ORA-04091: table USER1.SALES3 is mutating, trigger/function may not see it
ORA-06512: at "USER1.TRIG5", line 11
ORA-04088: error during execution of trigger 'USER1.TRIG5'

```

```

SQL> @
C:\Users\Ayush\OneDrive\Desktop\DATA_SCIENTIST\ORACLE_AND_MONGODB\PRACTISE\TRIGGER\
procedure1.sql;
SP2-0310: unable to open file
"C:\Users\Ayush\OneDrive\Desktop\DATA_SCIENTIST\ORACLE_AND_MONGODB\PRACTISE\TRIGGER\
procedure1.sql"
SQL> edit
C:\Users\Ayush\OneDrive\Desktop\DATA_SCIENTIST\ORACLE_AND_MONGODB\PRACTISE\TRIGGER\
procedure1.sql;

```

```

SQL> update sales3 set ppunit = 21 where initialamount<300;
Sales3 table updated
update sales3 set ppunit = 21 where initialamount<300
*
ERROR at line 1:
ORA-04091: table USER1.SALES3 is mutating, trigger/function may not see it
ORA-06512: at "USER1.TRIG5", line 11
ORA-04088: error during execution of trigger 'USER1.TRIG5'

```

```
SQL> select * from sales3 ;
```

PNAME	PPUNIT	QUANTITY	INITIALAMOUNT
Notebook	50	10	500
Pen	15	20	300
Bag	1200	2	2400
Calculator	29	1	800
Water Bottle	300	3	900
Pencil Box	150	5	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	5	5200

PNAME	PPUNIT	QUANTITY	INITIALAMOUNT
Book	300	5	1500
Adapter	34	10	230
Product25	45	23	1035
Product26	29	5	105
Product27	29	5	105
Product28	29	5	105
Product29	34	54	1836
Product30	21	45	2520

30 rows selected.

SQL> ed
C:\Users\Ayush\OneDrive\Desktop\DATA_SCIENTIST\ORACLE_AND_MONGODB\PRACTISE\TRIGGER\
update_sepcific_columns.sql;

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

Trigger created.

SQL> ed
C:\Users\Ayush\OneDrive\Desktop\DATA_SCIENTIST\ORACLE_AND_MONGODB\PRACTISE\TRIGGER\
functionmean.sql;

SQL> create view sum_view as select sum(ppunit),sum(quantity),sum(initialamount)
from sales3 ;
create view sum_view as select sum(ppunit),sum(quantity),sum(initialamount) from
sales3
*

ERROR at line 1:
ORA-00998: must name this expression with a column alias

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

ERROR at line 1:

```
ORA-00998: must name this expression with a column alias
```

```
SQL> create table sum_table as select  
sum(s.ppunit),sum(s.quantity),sum(s.initialamount) from sales3 s;  
create table sum_table as select sum(s.ppunit),sum(s.quantity),sum(s.initialamount)  
from sales3 s  
*
```

```
ERROR at line 1:
```

```
ORA-00998: must name this expression with a column alias
```

```
SQL> create table sum_table as( select  
sum(s.ppunit),sum(s.quantity),sum(s.initialamount) from sales3 s );  
create table sum_table as( select  
sum(s.ppunit),sum(s.quantity),sum(s.initialamount) from sales3 s )  
*
```

```
ERROR at line 1:
```

```
ORA-00998: must name this expression with a column alias
```

```
SQL> create table sum_table as(select sum(ppunit),sum(quantity),sum(initialamount)  
from sales s);  
create table sum_table as(select sum(ppunit),sum(quantity),sum(initialamount) from  
sales s)  
*
```

```
ERROR at line 1:
```

```
ORA-00904: "INITIALAMOUNT": invalid identifier
```

```
SQL> create table sum_table as(select  
sum(s.ppunit),sum(s.quantity),sum(s.initialamount) from sales s);  
create table sum_table as(select sum(s.ppunit),sum(s.quantity),sum(s.initialamount)  
from sales s)  
*
```

```
ERROR at line 1:
```

```
ORA-00904: "S"."INITIALAMOUNT": invalid identifier
```

```
SQL> create table sum_table as(select  
sum(s.ppunit),sum(s.quantity),sum(s.initialamount) from sales s);  
create table sum_table as(select sum(s.ppunit),sum(s.quantity),sum(s.initialamount)  
from sales s)  
*
```

```
ERROR at line 1:
```

```
ORA-00904: "S"."INITIALAMOUNT": invalid identifier
```

```
SQL> CREATE TABLE sum_table AS  
2 (
```

```
3   SELECT SUM(s.ppunit),
4         SUM(s.quantity),
5         SUM(s.initialamount)
6   FROM sales3 s
7 );
SELECT SUM(s.ppunit),
      *
```

ERROR at line 3:
ORA-00998: must name this expression with a column alias

```
SQL> create table sumtable as(select
sum(s.ppunit),sum(s.quantity),sum(s.initialamount) from sales s);
create table sumtable as(select sum(s.ppunit),sum(s.quantity),sum(s.initialamount)
from sales s)
```

*
ERROR at line 1:
ORA-00904: "S"."INITIALAMOUNT": invalid identifier

```
SQL> create table sumtable as (select
sum(s.ppunit),sum(s.quantity),sum(s.initialamount) from sales s);
create table sumtable as (select sum(s.ppunit),sum(s.quantity),sum(s.initialamount)
from sales s)
```

*
ERROR at line 1:
ORA-00904: "S"."INITIALAMOUNT": invalid identifier

```
SQL> create table tablesum as (select
sum(s.ppunit),sum(s.quantity),sum(s.initialamount) from sales s);
create table tablesum as (select sum(s.ppunit),sum(s.quantity),sum(s.initialamount)
from sales s)
```

*
ERROR at line 1:
ORA-00904: "S"."INITIALAMOUNT": invalid identifier

```
SQL> create table calculate as (Select
sum(s.ppunit),sum(s.quantity),sum(initialamount) from sales s ) ;
create table calculate as (Select sum(s.ppunit),sum(s.quantity),sum(initialamount)
from sales s )
```

*
ERROR at line 1:
ORA-00904: "INITIALAMOUNT": invalid identifier

```
SQL>
SQL> create table calculate as (Select
, count(pname),sum(s.ppunit),sum(s.quantity),sum(initialamount) from sales s ) ;
```

```
create table calculate as (Select
, count(pname), sum(s.ppunit), sum(s.quantity), sum(initialamount) from sales s )
*
ERROR at line 1:
ORA-00936: missing expression
```

```
SQL> create table calculate as (Select
count(pname), sum(s.ppunit), sum(s.quantity), sum(initialamount) from sales s ) ;
create table calculate as (Select
count(pname), sum(s.ppunit), sum(s.quantity), sum(initialamount) from sales s )
*
ERROR at line 1:
ORA-00904: "INITIALAMOUNT": invalid identifier
```

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

```
SQL> ommmit ;
SP2-0042: unknown command "ommmmit " - rest of line ignored.
SQL> commit ;
```

Commit complete.

```
SQL>
```