

SQL> desc emp1;

Name	Null?	Type
ENO	NOT NULL	NUMBER
ENAME		VARCHAR2(15)
JOB		VARCHAR2(15)

SQL> desc stud1;

Name	Null?	Type
RNO		NUMBER
SNAME		CHAR(10)
M1		NUMBER
M2		NUMBER
TOTAL		NUMBER
AVERAGE		NUMBER(5,2)

SQL> select *From stud1;

RNO	SNAME	M1	M2	TOTAL	AVERAGE
101	Anu	90	95	188	94
102	Harsha	96	95	191	95.5
103	Haritha	91	93	184	92

SQL> create view stud5 as select rno,sname,total,average from stud1;

View created.

SQL> select *from stud5;

RNO	SNAME	TOTAL	AVERAGE
101	Anu	188	94
102	Harsha	191	95.5
103	Haritha	184	92

SQL> commit;

Commit complete.

SQL> insert into stud1 (rno,sname,m1,m2) values(104,'Ram',95,96);

1 row created.

SQL> insert into stud1 (rno,sname,m1,m2) values(105,'sam',91,76);

1 row created.

SQL> select *from stud5;

RNO	SNAME	TOTAL	AVERAGE
101	Anu	188	94
102	Harsha	191	95.5
103	Haritha	184	92
104	Ram		
105	sam		

SQL> update stud1 set total=m1+m2,average=(m1+m2)/2;

5 rows updated.

SQL> select *from stud5;

RNO	SNAME	TOTAL	AVERAGE
101	Anu	185	92.5
102	Harsha	191	95.5
103	Haritha	184	92
104	Ram	191	95.5
105	sam	167	83.5

SQL> select *from stud1;

RNO	SNAME	M1	M2	TOTAL	AVERAGE
101	Anu	90	95	185	92.5
102	Harsha	96	95	191	95.5
103	Haritha	91	93	184	92
104	Ram	95	96	191	95.5
105	sam	91	76	167	83.5

SQL> create table sales_order_details(s_order_no varchar2(5),prod_no varchar2(8),qty_order number,qty_dpt number,prod_rate number);

Table created.

SQL> desc sales_order_details;

Name	Null?	Type
S_ORDER_NO		VARCHAR2(5)
PROD_NO		VARCHAR2(8)
QTY_ORDER		NUMBER
QTY_DPT		NUMBER
PROD_RATE		NUMBER

SQL> insert into sales_order_details values('s1001','p001',10,5,250);

1 row created.

```
SQL> insert into sales_order_details values('s1002','p002',15,10,400);
```

1 row created.

```
SQL> insert into sales_order_details values('s1003','p003',25,15,500);
```

1 row created.

```
SQL> insert into sales_order_details values('s1004','p004',35,20,700);
```

1 row created.

```
SQL> select *from sales_order_details;
```

S_ORD	PROD_NO	QTY_ORDER	QTY_DPT	PROD_RATE
s1001	p001	10	5	250
s1002	p002	15	10	400
s1003	p003	25	15	500
s1004	p004	35	20	700

```
SQL> insert into sales_order_details values('s1005','p001',50,30,250);
```

1 row created.

```
SQL> insert into sales_order_details values('s1006','p003',40,20,500);
```

1 row created.

```
SQL> insert into sales_order_details values('s1005','p001',60,20,250);
```

1 row created.

```
SQL> select *from sales_order_details;
```

S_ORD	PROD_NO	QTY_ORDER	QTY_DPT	PROD_RATE
s1001	p001	10	5	250
s1002	p002	15	10	400
s1003	p003	25	15	500
s1004	p004	35	20	700
s1005	p001	50	30	250
s1006	p003	40	20	500
s1005	p001	60	20	250

7 rows selected.

```
SQL> select prod_no,sum(Qty_order)
2  "Total Qty Ordered" from sales_order_details group by prod_no;
```

PROD_NO	Total Qty Ordered
p004	35
p001	120
p002	15
p003	65

p004	35
p001	120
p002	15
p003	65

```
SQL> select prod_no,sum(Qty_Order)
  2  "Total Qty Ordered" from sales_order_details group by prod_no having prod_no
in "('p001','p002');
```

ERROR:
ORA-01740: missing double quote in identifier

```
SQL> select prod_no,sum(Qty_Order)"Total Qty Ordered" from sales_order_details
group by prod_no having prod_no in ('p001','p002');
```

PROD_NO	Total Qty Ordered
p001	120
p002	15

```
SQL> select prod_no,sum(Qty_Order)"Total Qty Ordered" from sales_order_details
group by prod_no having prod_no in ('p001','p003');
```

PROD_NO	Total Qty Ordered
p001	120
p003	65

```
SQL> select prod_no,sum(Qty_Order)"Total Qty Ordered" from sales_order_details
group by prod_no having prod_no not in ('p001','p003');
```

PROD_NO	Total Qty Ordered
p004	35
p002	15

```
SQL> select *from masteritem;
```

ITEMNO	ITEMNAME	QTY_ON_HAND
1	television	9000
2	wmachine	6000
3	monitor	2000
4	dvdplayer	4000

```
SQL> select *from tranitem;
```

ITEMNO	QTY_SOLD
1	900
2	400
1	200
3	300
1	300

```
SQL> select qty_sold from tranitem where itemno=(select itemno from masteritem
where itemname='wmachine');
```

QTY_SOLD
400

```
SQL> select qty_sold from tranitem where itemno=(select itemno from masteritem
where itemname='television');
```

QTY_SOLD
900
200
300

```
SQL> select itemno, qty_sold from tranitem where itemno in (select itemno from
masteritem where itemname in ('wmachine','television'));
select itemno, qty_sold from tranitem where itemno in (select itemno from
masteritem where itemname in ('wmachine','television'))
```

*

```
ERROR at line 1:
ORA-00907: missing right parenthesis
```

```
SQL> select itemno, qty_sold from tranitem where itemno in (select itemno from
masteritem where itemname in ('wmachine','television'));
```

ITEMNO	QTY_SOLD
1	300
1	200
1	900
2	400

```
SQL> select itemno, qty_sold from transitem where (itemno,qty_sold) in(select
itemno, max(qty_sold) from group by itemno);
select itemno, qty_sold from transitem where (itemno,qty_sold) in(select itemno,
max(qty_sold) from group by itemno)
```

*

ERROR at line 1:
ORA-00920: invalid relational operator

```
SQL> select itemno, qty_sold from tranitem where (itemno,qty_sold) in(select
itemno, max(qty_sold) from group by itemno);
select itemno, qty_sold from tranitem where (itemno,qty_sold) in(select itemno,
max(qty_sold) from group by itemno)
```

*

ERROR at line 1:
ORA-00920: invalid relational operator

```
SQL> select itemno, qty_sold from tranitem where (itemno,qty_sold) in(select
itemno, max(qty_sold) from tranitem group by itemno);
```

ITEMNO	QTY_SOLD
1	900
2	400
3	300

```
SQL> tttitle left 'page no:' format 99 sql.pno center 'PRODUCTWISE SALES' Skip 4 ;
SQL> set server output on;
SP2-0158: unknown SET option "server"
SQL> set serveroutput on;
SQL> tttitle left 'page no:' format 99 sql.pno center 'PRODUCTWISE SALES' Skip 4 ;
SQL> start D:\oracle\test\test.lst;
SQL> /
```

more----

page no: 1 PRODUCTWISE SALES

ITEMNO	QTY_SOLD
1	900
2	400
3	300

```
SQL> /
```

more----

page no: 1 PRODUCTWISE SALES

ITEMNO	QTY_SOLD
1	900

2	400
3	300

SQL> /
more-----

page no: 1

PRODUCTWISE SALES

ITEMNO	QTY_SOLD
1	900
2	400
3	300

SQL> spool off;