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## 1. PRODUCT TABLE AND 8 INSERTED RECORDS

  Live SQL

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SQL Worksheet Clear Find Actions Save Run

```
1 create table PROD(  
2   PROD_CODE number(5) primary key,  
3   PROD_NAME varchar(20),  
4   PROD_SIZE varchar(20),  
5   PROD_COLOR varchar(20),  
6   PROD_QTY varchar(20),  
7   PROD_PRICE varchar(20)  
8 )  
9
```

Table created.

SQL Worksheet Clear

```
1 create table PROD(  
2   PROD_CODE number(5) primary key,  
3   PROD_NAME varchar(20),  
4   PROD_SIZE varchar(20),  
5   PROD_COLOR varchar(20),  
6   PROD_QTY varchar(20),  
7   PROD_PRICE varchar(20)  
8 )  
9  
10 insert into PROD (PROD_CODE, PROD_NAME, PROD_SIZE, PROD_COLOR, PROD_QTY, PROD_PRICE) values (10102, 'SHIRT', 'L', 'Pink', '1', '12')  
11 insert into PROD (PROD_CODE, PROD_NAME, PROD_SIZE, PROD_COLOR, PROD_QTY, PROD_PRICE) values (10104, 'Socks', 'S', 'Red', '2', '7')  
12 insert into PROD (PROD_CODE, PROD_NAME, PROD_SIZE, PROD_COLOR, PROD_QTY, PROD_PRICE) values (10106, 'Sweater', 'M', 'Blue', '4', '24')  
13 insert into PROD (PROD_CODE, PROD_NAME, PROD_SIZE, PROD_COLOR, PROD_QTY, PROD_PRICE) values (10103, 'Beanie', 'XS', 'Navy Blue', '2', '6')  
14 insert into PROD (PROD_CODE, PROD_NAME, PROD_SIZE, PROD_COLOR, PROD_QTY, PROD_PRICE) values (10107, 'Skinny-Legging', 'L', 'Black', '3', '17')  
15 insert into PROD (PROD_CODE, PROD_NAME, PROD_SIZE, PROD_COLOR, PROD_QTY, PROD_PRICE) values (10109, 'Yoga-Pants', 'M', 'White', '5', '23')  
16 insert into PROD (PROD_CODE, PROD_NAME, PROD_SIZE, PROD_COLOR, PROD_QTY, PROD_PRICE) values (10105, 'Yoga-Shorts', 'S', 'Yellow', '6', '22')  
17 insert into PROD (PROD_CODE, PROD_NAME, PROD_SIZE, PROD_COLOR, PROD_QTY, PROD_PRICE) values (10108, 'T-Shirt', 'M', 'Purple', '2', '14')  
18  
19
```

1 row(s) inserted.

```
18
19 select * from PROD;
20
```

PROD_CODE	PROD_NAME	PROD_SIZE	PROD_COLOR	PROD_QTY	PROD_PRICE
10107	Skinny-Legging	L	Black	3	17
10108	T-Shirt	M	Purple	2	14
10102	SHIRT	L	Pink	1	12
10105	Yoga-Shorts	S	Yellow	6	22
10104	Socks	S	Red	2	7
10106	Sweater	M	Blue	4	24
10103	Beanie	XS	Navy Blue	2	6
10109	Yoga-Pants	M	White	5	23

[Download CSV](#)

8 rows selected.

## 2. CUSTOMER TABLE AND 8 INSERTED RECORD.

```
21 create table CUSTOMER(
22 CUST_CODE number(5) primary key,
23 CUST_LAST_NAME varchar(20),
24 CUST_FIRST_NAME varchar(20),
25 CUST_EMAIL_ADDR varchar(20),
26 CUST_PH_NUM char (12)
27 )
28
29
```

Table created.

```

9 insert into CUSTOMER (CUST_CODE, CUST_LAST_NAME, CUST_FIRST_NAME, CUST_EMAIL_ADDR, CUST_PH_NUM) values (10202, 'SUMMER', 'MELANIE', 'MELSUMMER@MAIL.COM', '213-205-2134');
10 insert into CUSTOMER (CUST_CODE, CUST_LAST_NAME, CUST_FIRST_NAME, CUST_EMAIL_ADDR, CUST_PH_NUM) values (10221, 'BIDEN', 'MELISA', 'MELBIDEN@MAIL.COM', '213-263-2175');
11 insert into CUSTOMER (CUST_CODE, CUST_LAST_NAME, CUST_FIRST_NAME, CUST_EMAIL_ADDR, CUST_PH_NUM) values (10212, 'SAM', 'JOE', 'JOESAM@MAIL.COM', '563-463-8935');
12 insert into CUSTOMER (CUST_CODE, CUST_LAST_NAME, CUST_FIRST_NAME, CUST_EMAIL_ADDR, CUST_PH_NUM) values (10247, 'KHALI', 'RONNIE', 'RONNIEKHAL@MAIL.COM', '213-790-2184');
13 insert into CUSTOMER (CUST_CODE, CUST_LAST_NAME, CUST_FIRST_NAME, CUST_EMAIL_ADDR, CUST_PH_NUM) values (10239, 'BILL', 'LARRY', 'LARRYBILL@MAIL.COM', '213-223-2002');
14 insert into CUSTOMER (CUST_CODE, CUST_LAST_NAME, CUST_FIRST_NAME, CUST_EMAIL_ADDR, CUST_PH_NUM) values (10289, 'KAREN', 'SIN', 'KARENSIN@MAIL.COM', '345-654-2111');
15 insert into CUSTOMER (CUST_CODE, CUST_LAST_NAME, CUST_FIRST_NAME, CUST_EMAIL_ADDR, CUST_PH_NUM) values (10432, 'KIM', 'SARA', 'SARAKIM@MAIL.COM', '213-564-2356');
16 insert into CUSTOMER (CUST_CODE, CUST_LAST_NAME, CUST_FIRST_NAME, CUST_EMAIL_ADDR, CUST_PH_NUM) values (10302, 'JERRY', 'BEN', 'BENJERRY@MAIL.COM', '213-263-2874');
17

```

1 row(s) inserted.

```

18 select * from CUSTOMER;

```

CUST_CODE	CUST_LAST_NAME	CUST_FIRST_NAME	CUST_EMAIL_ADDR	CUST_PH_NUM
10202	SUMMER	MELANIE	MELSUMMER@MAIL.COM	213-205-2134
10302	JERRY	BEN	BENJERRY@MAIL.COM	213-263-2874
10221	BIDEN	MELISA	MELBIDEN@MAIL.COM	213-263-2175
10239	BILL	LARRY	LARRYBILL@MAIL.COM	213-223-2002
10289	KAREN	SIN	KARENSIN@MAIL.COM	345-654-2111
10212	SAM	JOE	JOESAM@MAIL.COM	563-463-8935
10247	KHALI	RONNIE	RONNIEKHAL@MAIL.COM	213-790-2184
10432	KIM	SARA	SARAKIM@MAIL.COM	213-564-2356

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8 rows selected.

### 3. SHIPMENT TABLE AND 8 INSERTED RECORDS

```
20 Create table SHIPMENT(  
21 PROD_CODE char(5) primary key,  
22 SHIPMENT_DATE varchar(20),  
23 SHIPMENT_TRACK varchar(20),  
24 SHIP_NUMBER varchar(20)  
25 );  
26 |  
27  
28
```

Table created.

```
27 insert into SHIPMENT(PROD_CODE, SHIPMENT_DATE, SHIPMENT_TRACK, SHIP_NUMBER) values (10102, '1-21-2021', '1343279234', '1043274954');  
28 insert into SHIPMENT(PROD_CODE, SHIPMENT_DATE, SHIPMENT_TRACK, SHIP_NUMBER) values (10104, '1-24-2021', '1343272342', '1534327495');  
29 insert into SHIPMENT(PROD_CODE, SHIPMENT_DATE, SHIPMENT_TRACK, SHIP_NUMBER) values (10106, '2-27-2021', '13043272354', '1764343645');  
30 insert into SHIPMENT(PROD_CODE, SHIPMENT_DATE, SHIPMENT_TRACK, SHIP_NUMBER) values (10103, '4-11-2020', '13443272354', '1864327439');  
31 insert into SHIPMENT(PROD_CODE, SHIPMENT_DATE, SHIPMENT_TRACK, SHIP_NUMBER) values (10107, '3-16-2020', '14343272354', '1444327452');  
32 insert into SHIPMENT(PROD_CODE, SHIPMENT_DATE, SHIPMENT_TRACK, SHIP_NUMBER) values (10109, '2-17-2021', '1053272354', '1544327458');  
33 insert into SHIPMENT(PROD_CODE, SHIPMENT_DATE, SHIPMENT_TRACK, SHIP_NUMBER) values (10105, '2-12-2020', '1043272354', '1764327424');  
34 insert into SHIPMENT(PROD_CODE, SHIPMENT_DATE, SHIPMENT_TRACK, SHIP_NUMBER) values (10108, '3-1-2020', '10032723354', '1534327487');  
35 |  
36  
37  
38
```

1 row(s) inserted.

```
36 select * from SHIPMENT;  
37  
38
```

PROD_CODE	SHIPMENT_DATE	SHIPMENT_TRACK	SHIP_NUMBER
10105	2-12-2020	1043272354	1764327424
10104	1-24-2021	1343272342	1534327495
10102	1-21-2021	1343279234	1043274954
10107	3-16-2020	14343272354	1444327452
10109	2-17-2021	1053272354	1544327458
10103	4-11-2020	13443272354	1864327439
10108	3-1-2020	10032723354	1534327487
10106	2-27-2021	13043272354	1764343645

[Download CSV](#)

8 rows selected.

#### 4. SELLER TABLE AND 8 INSERTED RECORDS

```
38 Create table SELLER(  
39 SELLER_ID char(5) primary key,  
40 SELLER_NAME varchar(20),  
41 SELLER_EMAIL_ADDR varchar(20)  
42 )  
43  
44  
45  
46
```

Table created.

```

44 insert into SELLER(SELLER_ID, SELLER_NAME, SELLER_EMAIL_ADDR) values (73432, 'ARYA TAYLOR', 'ARYATAYLOR@MAIL.COM');
45 insert into SELLER(SELLER_ID, SELLER_NAME, SELLER_EMAIL_ADDR) values (74294, 'HARRY BROWN', 'HARRYBROWN@MAIL.COM');
46 insert into SELLER(SELLER_ID, SELLER_NAME, SELLER_EMAIL_ADDR) values (72403, 'DAVID KIM', 'DAVIDKIM@MAIL.COM');
47 insert into SELLER(SELLER_ID, SELLER_NAME, SELLER_EMAIL_ADDR) values (72290, 'JON WANG', 'JONWANG@MAIL.COM');
48 insert into SELLER(SELLER_ID, SELLER_NAME, SELLER_EMAIL_ADDR) values (72345, 'KYLE JIM', 'KYLEJIM@MAIL.COM');
49 insert into SELLER(SELLER_ID, SELLER_NAME, SELLER_EMAIL_ADDR) values (70948, 'VICTOR CHANG', 'VICTORCHANG@MAIL.COM');
50 insert into SELLER(SELLER_ID, SELLER_NAME, SELLER_EMAIL_ADDR) values (75690, 'MANDY KING', 'MANDYKING@MAIL.COM');
51 insert into SELLER(SELLER_ID, SELLER_NAME, SELLER_EMAIL_ADDR) values (70603, 'ANDY GILL', 'ANDYGILL@MAIL.COM');

```

1 row(s) inserted.

```

52
53 Select * from SELLER;
54
55

```

SELLER_ID	SELLER_NAME	SELLER_EMAIL_ADDR
74294	HARRY BROWN	HARRYBROWN@MAIL.COM
72403	DAVID KIM	DAVIDKIM@MAIL.COM
72290	JON WANG	JONWANG@MAIL.COM
75690	MANDY KING	MANDYKING@MAIL.COM
70603	ANDY GILL	ANDYGILL@MAIL.COM
73432	ARYA TAYLOR	ARYATAYLOR@MAIL.COM
72345	KYLE JIM	KYLEJIM@MAIL.COM
70948	VICTOR CHANG	VICTORCHANG@MAIL.COM

[Download CSV](#)

8 rows selected.

## 5. INVENTORY TABLE AND 8 INSERTED RECORDS

```
55 create table INVENTORY(  
56 INVENTORY_ID char(5) primary key,  
57 PRODUCT_CODE varchar(20),  
58 WAREHOUSE_ID varchar(20)  
59 )  
60
```

Table created.

```
61 insert into INVENTORY(INVENTORY_ID, PRODUCT_CODE, WAREHOUSE_ID) values (12548, '10102', '4908374');  
62 insert into INVENTORY(INVENTORY_ID, PRODUCT_CODE, WAREHOUSE_ID) values (17848, '10104', '6808374');  
63 insert into INVENTORY(INVENTORY_ID, PRODUCT_CODE, WAREHOUSE_ID) values (14806, '10106', '7808366');  
64 insert into INVENTORY(INVENTORY_ID, PRODUCT_CODE, WAREHOUSE_ID) values (12527, '10103', '4905439');  
65 insert into INVENTORY(INVENTORY_ID, PRODUCT_CODE, WAREHOUSE_ID) values (17878, '10107', '6808384');  
66 insert into INVENTORY(INVENTORY_ID, PRODUCT_CODE, WAREHOUSE_ID) values (14840, '10109', '7208321');  
67 insert into INVENTORY(INVENTORY_ID, PRODUCT_CODE, WAREHOUSE_ID) values (12848, '10105', '6808365');  
68 insert into INVENTORY(INVENTORY_ID, PRODUCT_CODE, WAREHOUSE_ID) values (11845, '10108', '7408376');  
69  
70  
71  
72
```

1 row(s) inserted.



69  
70  
71  
72

```
Select * from INVENTORY;
```

INVENTORY_ID	PRODUCT_CODE	WAREHOUSE_ID
14806	10106	7808366
14840	10109	7208321
17848	10104	6808374
14846	10106	7808366
12527	10103	4905439
17878	10107	6808384
12848	10105	6808365
11845	10108	7408376
12548	10102	4908374

[Download CSV](#)

9 rows selected.

## 6. EMPLOYEE TABLE AND 8 INSERTED RECORDS

```
92 create table EMPLOYEE(  
93 EMP_CODE char(5) primary key,  
94 EMP_LAST_NAME varchar(20),  
95 EMP_FIRST_NAME varchar(20),  
96 EMP_EMAIL_ADDR varchar(20)  
97 );  
98
```

Table created.

```
99 insert into EMPLOYEE (EMP_CODE, EMP_LAST_NAME, EMP_FIRST_NAME, EMP_EMAIL_ADDR) values (12034, 'WRIGHT', 'JAMES', 'JAMESWRIGHT@MAIL.COM');  
100 insert into EMPLOYEE (EMP_CODE, EMP_LAST_NAME, EMP_FIRST_NAME, EMP_EMAIL_ADDR) values (18659, 'KANG', 'AMY', 'AMYKANG@MAIL.COM');  
101 insert into EMPLOYEE (EMP_CODE, EMP_LAST_NAME, EMP_FIRST_NAME, EMP_EMAIL_ADDR) values (16903, 'THOMAS', 'LEAH', 'LEATHOMAS@MAIL.COM');  
102 insert into EMPLOYEE (EMP_CODE, EMP_LAST_NAME, EMP_FIRST_NAME, EMP_EMAIL_ADDR) values (10948, 'FIG', 'PATTY', 'PATTYFIG@MAIL.COM');  
103 insert into EMPLOYEE (EMP_CODE, EMP_LAST_NAME, EMP_FIRST_NAME, EMP_EMAIL_ADDR) values (12177, 'SANDLER', 'CHRIS', 'CHRISSAND@MAIL.COM');  
104 insert into EMPLOYEE (EMP_CODE, EMP_LAST_NAME, EMP_FIRST_NAME, EMP_EMAIL_ADDR) values (12980, 'PARK', 'LARRY', 'LARRYPARK@MAIL.COM');  
105 insert into EMPLOYEE (EMP_CODE, EMP_LAST_NAME, EMP_FIRST_NAME, EMP_EMAIL_ADDR) values (16549, 'WISE', 'BILLY', 'BILLYWISE@MAIL.COM');  
106 insert into EMPLOYEE (EMP_CODE, EMP_LAST_NAME, EMP_FIRST_NAME, EMP_EMAIL_ADDR) values (12065, 'COSTER', 'JIM', 'JIMCOSTER@MAIL.COM');
```

1 row(s) inserted.

```
108 select * from EMPLOYEE;  
109  
110  
111
```

EMP_CODE	EMP_LAST_NAME	EMP_FIRST_NAME	EMP_EMAIL_ADDR
18659	KANG	AMY	AMYKANG@MAIL.COM
12980	PARK	LARRY	LARRYPARK@MAIL.COM
12034	WRIGHT	JAMES	JAMESWRIGHT@MAIL.COM
10948	FIG	PATTY	PATTYFIG@MAIL.COM
16903	THOMAS	LEAH	LEATHOMAS@MAIL.COM
12177	SANDLER	CHRIS	CHRISSAND@MAIL.COM
12065	COSTER	JIM	JIMCOSTER@MAIL.COM
16549	WISE	BILLY	BILLYWISE@MAIL.COM

[Download CSV](#)

8 rows selected.

## 7. AMAZON DAY ORDERS TABLE AND 8 INSERTED RECORDS

```
4 create table Amazondayorders(  
5 Order_number int NOT NULL,  
6 Order_date Date,  
7 Cust_code Char(12),  
8 Emp_code NOT NULL,  
9 Constraint Ordnum Primary Key (Order_number),  
10 Constraint EmpCode Foreign Key (Emp_code) REFERENCES Employee (Emp_code)  
11 );  
12  
13
```

Table created.

```
10 insert into Amazondayorders VALUES (12090, Date '2020-01-02' , '10934' , '12034');  
11 insert into Amazondayorders VALUES (12031, Date '2020-02-02' , '10934' , '18659');  
12 insert into Amazondayorders VALUES (12134, Date '2020-02-04' , '10934' , '16903');  
13 insert into Amazondayorders VALUES (12432, Date '2020-02-03' , '10934' , '10948');  
14 insert into Amazondayorders VALUES (12454, Date '2020-01-03' , '10934' , '12177');  
15 insert into Amazondayorders VALUES (12360, Date '2020-01-03' , '10934' , '12980');  
16 insert into Amazondayorders VALUES (12694, Date '2020-01-03' , '10934' , '16549');  
17 insert into Amazondayorders VALUES (12650, Date '2020-02-05' , '10934' , '12065');  
18  
19  
20  
21
```

1 row(s) inserted.

```
19 select * from Amazondayorders;  
20
```

ORDER_NUMBER	ORDER_DATE	CUST_CODE	EMP_CODE
12090	02-JAN-20	10934	12034
12454	03-JAN-20	10934	12177
12650	05-FEB-20	10934	12065
12031	02-FEB-20	10934	18659
12134	04-FEB-20	10934	16903
12432	03-FEB-20	10934	10948
12360	03-JAN-20	10934	12980
12694	03-JAN-20	10934	16549
12034	02-JAN-20	10934	12034

[Download CSV](#)

9 rows selected.

## EXAMPLE OF UPDATE: FOR PRODUCT TABLE

### SQL Worksheet

```
1 select * from PROD;
```

```
2
```

PROD_CODE	PROD_NAME	PROD_SIZE	PROD_COLOR	PROD_QTY	PROD_PRICE
10102	SHIRT	L	Pink	1	12
10104	Socks	S	Red	2	7
10106	Sweater	M	Blue	4	24
10103	Beanie	XS	Navy Blue	2	6
10107	Skinny-Legging	L	Black	3	17
10109	Yoga-Pants	M	White	5	23
10105	Yoga-Shorts	S	Yellow	6	22
10108	T-Shirt	M	Purple	2	14

[Download CSV](#)

8 rows selected.

SQL Worksheet

```
1 select * from PROD;
2
3 UPDATE PROD
4 SET PROD_QTY = 3
5 WHERE PROD_CODE = 10102;
```

1 row(s) updated.

```
7 select * from PROD;
```

PROD_CODE	PROD_NAME	PROD_SIZE	PROD_COLOR	PROD_QTY	PROD_PRICE
10102	SHIRT	L	Pink	3	12
10104	Socks	S	Red	2	7
10106	Sweater	M	Blue	4	24
10103	Beanie	XS	Navy Blue	2	6
10107	Skinny-Legging	L	Black	3	17
10109	Yoga-Pants	M	White	5	23
10105	Yoga-Shorts	S	Yellow	6	22
10108	T-Shirt	M	Purple	2	14

[Download CSV](#)

8 rows selected.

## EXAMPLE OF ALTER: PRODUCT TABLE

### SQL Worksheet

```
1 select * from PROD;  
2
```

PROD_CODE	PROD_NAME	PROD_SIZE	PROD_COLOR	PROD_QTY	PROD_PRICE
10102	SHIRT	L	Pink	1	12
10104	Socks	S	Red	2	7
10106	Sweater	M	Blue	4	24
10103	Beanie	XS	Navy Blue	2	6
10107	Skinny-Legging	L	Black	3	17
10109	Yoga-Pants	M	White	5	23
10105	Yoga-Shorts	S	Yellow	6	22
10108	T-Shirt	M	Purple	2	14

[Download CSV](#)

8 rows selected.

```
9 ALTER TABLE PROD
10 ADD ProdDescription varchar(70);
```

Table altered.

```
12 select * from PROD;
```

PROD_CODE	PROD_NAME	PROD_SIZE	PROD_COLOR	PROD_QTY	PROD_PRICE	PRODDescription
10102	SHIRT	L	Pink	3	12	-
10104	Socks	S	Red	2	7	-
10106	Sweater	M	Blue	4	24	-
10103	Beanie	XS	Navy Blue	2	6	-
10107	Skinny-Legging	L	Black	3	17	-
10109	Yoga-Pants	M	White	5	23	-
10105	Yoga-Shorts	S	Yellow	6	22	-
10108	T-Shirt	M	Purple	2	14	-

[Download CSV](#)

8 rows selected.



**EXAMPLE OF JOIN:**  
**PRODUCT TABLE AND SHIPMENT TABLE INNER JOIN**

**SQL Worksheet**

```
1 select * from PROD;
```

```
2
```

PROD_CODE	PROD_NAME	PROD_SIZE	PROD_COLOR	PROD_QTY	PROD_PRICE
10102	SHIRT	L	Pink	1	12
10104	Socks	S	Red	2	7
10106	Sweater	M	Blue	4	24
10103	Beanie	XS	Navy Blue	2	6
10107	Skinny-Legging	L	Black	3	17
10109	Yoga-Pants	M	White	5	23
10105	Yoga-Shorts	S	Yellow	6	22
10108	T-Shirt	M	Purple	2	14

[Download CSV](#)

8 rows selected.

SQL Worksheet

1

Select \* from SHIPMENT;

PROD_CODE	SHIPMENT_DATE	SHIPMENT_TRACK	SHIP_NUMBER
10102	1-21-2021	1343279234	1043274954
10104	1-24-2021	1343272342	1534327495
10106	2-27-2021	13043272354	1764343645
10103	4-11-2020	13443272354	1864327439
10107	3-16-2020	14343272354	1444327452
10109	2-17-2021	1053272354	1544327458
10105	2-12-2020	1043272354	1764327424
10108	3-1-2020	10032723354	1534327487

[Download CSV](#)

8 rows selected.

SQL Worksheet

1

2

3

4

SELECT

PROD.PROD\_CODE, SHIPMENT.PROD\_CODE,

FROM PROD

INNER JOIN SHIPMENT ON PROD.PROD\_CODE=SHIPMENT.PROD\_CODE;

PROD_CODE	PROD_CODE
10102	10102
10103	10103
10104	10104
10105	10105
10106	10106
10107	10107
10108	10108
10109	10109

[Download CSV](#)

8 rows selected.