

# CODING ASSIGNMENT

**Task: Order Management System**

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**Query:**

**-- create products table**

```
create table Products (  
    product_Id int Primary Key,  
    product_name varchar(255),  
    pro_desc text,  
    price double,  
    quantityInStock int  
);
```

**-- insert 30 records into products table**

```
insert into Products(product_Id, product_name, pro_desc, price, quantityInStock) values  
(1, 'Laptop', 'High-performance laptop', 120000.00, 10),  
(2, 'Smartphone', 'Latest smartphone model', 85000.00, 15),  
(3, 'Headphones', 'Noise-canceling headphones', 1500.00, 25),  
(4, 'Tablet', '10-inch Android tablet', 15000.00, 8),  
(5, 'Smartwatch', 'Fitness tracking smartwatch', 1800.00, 30),  
(6, 'Camera', 'Digital SLR camera', 10000.00, 12),  
(7, 'Television', '4K UHD Smart TV', 35000.00, 5),  
(8, 'Gaming Console', 'Next-gen gaming console', 5000.00, 20),  
(9, 'Wireless Earbuds', 'Bluetooth earbuds', 2500.00, 50),  
(10, 'Desktop Computer', 'Powerful desktop computer', 35000.00, 7),  
(11, 'Printer', 'Wireless color printer', 7000.00, 15),  
(12, 'External Hard Drive', '2TB USB 3.0 Hard Drive', 800.00, 25),  
(13, 'Home Theater System', '5.1 surround sound system', 30000.00, 10),  
(14, 'Fitness Tracker', 'Water-resistant fitness tracker', 7000.00, 40),  
(15, 'Coffee Maker', 'Programmable drip coffee maker', 4000.00, 30),
```

(16, 'Portable Bluetooth Speaker', 'Wireless portable speaker', 6000.00, 20),  
 (17, 'Robot Vacuum', 'Smart robotic vacuum cleaner', 2500.00, 12),  
 (18, 'Wireless Router', 'Dual-band Wi-Fi router', 1000.00, 18),  
 (19, 'Office Chair', 'Ergonomic office chair', 12000.00, 25),  
 (20, 'LED Desk Lamp', 'Adjustable LED desk lamp', 2500.00, 50),  
 (21, 'Smartphone', 'Latest smartphone model', 85000.00, 15),  
 (22, 'Television', '4K UHD Smart TV', 35000.00, 5),  
 (23, 'Gaming Console', 'Next-gen gaming console', 5000.00, 20),  
 (24, 'Coffee Maker', 'Programmable drip coffee maker', 4000.00, 30),  
 (25, 'Wireless Router', 'Dual-band Wi-Fi router', 1000.00, 18),  
 (26, 'T-Shirt', 'Cotton short-sleeve shirt', 1500.00, 100),  
 (27, 'Jeans', 'Classic blue denim jeans', 3000.00, 75),  
 (28, 'Sweater', 'Warm wool sweater', 4000.00, 50),  
 (29, 'Dress', 'Elegant evening dress', 8000.00, 30),  
 (30, 'Sneakers', 'Casual sports shoes', 5000.00, 60);

-- update

update products set quantityInStock=40 where product\_Id=24;

-- delete

delete from products where product\_Id=31;

## Output

Output				
Action Output				
	#	Time	Action	Message
✓	72	16:08:49	create table Products ( product_Id int Primary Key, product_name varchar(255), pro_desc te...	0 row(s) affected
✓	73	16:08:49	insert into Products(product_Id, product_name, pro_desc, price, quantityInStock) values (1, 'La...	30 row(s) affected Records: 30 Duplicates: 0 Warnings: 0
✓	74	16:08:49	update products set quantityInStock=40 where product_Id=24	1 row(s) affected Rows matched: 1 Changed: 1 Warnings: 0
✓	75	16:08:49	delete from products where product_Id=31	0 row(s) affected

## Query:

--display records

```
select * from Products;
```

## Output

Result Grid	Filter Rows:	Edit:	Export/Import:	Wrap Cell Content:
product_Id	product_name	pro_desc	price	quantityInStock
1	Laptop	High-performance laptop	120000	10
2	Smartphone	Latest smartphone model	85000	15
3	Headphones	Noise-canceling headphones	1500	25
4	Tablet	10-inch Android tablet	15000	8
5	Smartwatch	Fitness tracking smartwatch	1800	30
6	Camera	Digital SLR camera	10000	12
7	Television	4K UHD Smart TV	35000	5
8	Gaming Console	Next-gen gaming console	5000	20
9	Wireless Earbuds	Bluetooth earbuds	2500	50
10	Desktop Computer	Powerful desktop computer	35000	7
11	Printer	Wireless color printer	7000	15
12	External Hard Drive	2TB USB 3.0 Hard Drive	800	25
13	Home Theater Sy...	5.1 surround sound system	30000	10
14	Fitness Tracker	Water-resistant fitness trac...	7000	40
15	Coffee Maker	Programmable drip coffee ...	4000	30
16	Portable Bluetooth...	Wireless portable speaker	6000	20
17	Robot Vacuum	Smart robotic vacuum cleaner	2500	12
18	Wireless Router	Dual-band Wi-Fi router	1000	18
19	Office Chair	Ergonomic office chair	12000	25
20	LED Desk Lamp	Adjustable LED desk lamp	2500	50
21	Smartphone	Latest smartphone model	85000	15
22	Television	4K UHD Smart TV	35000	5
23	Gaming Console	Next-gen gaming console	5000	20
24	Coffee Maker	Programmable drip coffee ...	4000	40
25	Wireless Router	Dual-band Wi-Fi router	1000	18
26	T-Shirt	Cotton short-sleeve shirt	1500	100
27	Jeans	Classic blue denim jeans	3000	75
28	Sweater	Warm wool sweater	4000	50
29	Dress	Elegant evening dress	8000	30
30	Sneakers	Casual sports shoes	5000	60
NULL	NULL	NULL	NULL	NULL

### **Query:**

#### **-- create electronics table**

```
create table Electronics (  
    product_Id int Primary Key,  
    brand varchar(255),  
    warrantyPeriod int,  
    Foreign Key (product_Id) references Products(product_Id)  
);
```

#### **-- inserting records into electronics table**

insert into Electronics (product\_Id, brand, warrantyPeriod) values

```
(1, 'Dell', 2),  
(2, 'Samsung', 1),  
(3, 'Sony', 2),  
(4, 'Apple', 1),  
(5, 'Fitbit', 2),  
(6, 'Canon', 3),  
(7, 'Sony', 2),  
(8, 'Microsoft', 1),  
(9, 'Bose', 2),  
(10, 'HP', 2),  
(11, 'LG', 1),  
(12, 'Nintendo', 2),  
(13, 'Panasonic', 2),  
(14, 'GoPro', 1),  
(15, 'JBL', 1),  
(16, 'Samsung', 1),  
(17, 'Sony', 2),  
(18, 'Microsoft', 1),  
(19, 'Bose', 2),  
(20, 'LG', 1),  
(21, 'LG', 1),
```

```
(22, 'Nintendo', 2),
(23, 'Panasonic', 2),
(24, 'GoPro', 1),
(25, 'JBL', 1);
```

### -- update

update Electronics set warrantyPeriod=2 where product\_Id=14;

### -- delete

delete from Electronics where product\_Id=21;

## Output

Output				
Action Output				
#	Time	Action	Message	
76	16:10:21	create table Electronics ( product_Id int Primary Key, brand varchar(255), warrantyPeriod i...	0 row(s) affected	
77	16:10:21	insert into Electronics (product_Id, brand, warrantyPeriod) values (1, 'Dell', 2), (2, 'Samsung', ...	25 row(s) affected Records: 25 Duplicates: 0 Warnings: 0	
78	16:10:21	update Electronics set warrantyPeriod=2 where product_Id=14	1 row(s) affected Rows matched: 1 Changed: 1 Warnings: 0	
79	16:10:21	delete from Electronics where product_Id=21	1 row(s) affected	

## Query:

select \* from Electronics;

## Output:

	product_Id	brand	warrantyPeriod
▶	1	Dell	2
	2	Samsung	1
	3	Sony	2
	4	Apple	1
	5	Fitbit	2
	6	Canon	3
	7	Sony	2
	8	Microsoft	1
	9	Bose	2
	10	HP	2
	11	LG	1
	12	Nintendo	2
	13	Panasonic	2
	14	GoPro	2
	15	JBL	1
	16	Samsung	1
	17	Sony	2
	18	Microsoft	1
	19	Bose	2
	20	LG	1

22	Nintendo	2	2
23	Panasonic	2	
24	GoPro	1	
25	JBL	1	
*	NULL	NULL	NULL

### Query:

#### -- create clothing table

```
create table Clothing (
    product_Id int Primary Key,
    size varchar(50),
    color varchar(50),
    FOREIGN KEY (product_Id) references Products(product_Id)
);
```

#### -- insert records into clothing table

```
insert into Clothing (product_Id, size, color) values
    (26, 'M', 'Blue'),
    (27, 'L', 'Red'),
    (28, 'S', 'Black'),
    (29, 'M', 'Purple'),
    (30, 'S', 'Gray');
```

#### -- update

```
update Clothing set color='Blue' where product_Id=8;
```

#### -- delete

```
delete from Clothing where product_Id=31;
```

### Output

Output				
Action Output				
#	Time	Action	Message	
85	16:17:55	create table Clothing ( product_Id int Primary Key, size varchar(50), color varchar(50), F...	0 row(s) affected	
86	16:17:55	insert into Clothing (product_Id, size, color) values (26, 'M', 'Blue'), (27, 'L', 'Red'), (28, 'S', 'Blac...	5 row(s) affected Records: 5 Duplicates: 0 Warnings: 0	
87	16:17:55	update Clothing set color='Blue' where product_Id=28	1 row(s) affected Rows matched: 1 Changed: 1 Warnings: 0	
88	16:17:55	delete from Clothing where product_Id=31	0 row(s) affected	

**Query:**

```
select * from Clothing;
```

**Output**

Result Grid			
Filter Rows: <input type="text"/>			
	product_Id	size	color
▶	26	M	Blue
	27	L	Red
	28	S	Blue
	29	M	Purple
	30	S	Gray
*	NULL	NULL	NULL

**Query:****-- create user table**

```
create table Users (  
    userId int Primary Key,  
    username varchar(50),  
    pwd varchar(50),  
    roles varchar(10)  
);
```

**-- inserting records into the Users table**

```
insert into Users (userId, username, pwd, roles) values
```

```
(1, 'Rupa', 'admin@1', 'Admin'),  
(2, 'Sai', 'user@1', 'User'),  
(3, 'Mohan', 'admin@2', 'Admin'),  
(4, 'Harry', 'user@2', 'User'),  
(5, 'Gayatri', 'admin@3', 'Admin'),  
(6, 'Harshitha', 'user@3', 'User'),  
(7, 'Mahesh', 'admin@4', 'Admin'),  
(8, 'Haasini', 'user@4', 'User'),  
(9, 'Nanditha', 'admin@5', 'Admin'),  
(10, 'Raji', 'user@5', 'User');
```

## -- update

update Users set pwd='Rupa123\$@' where userId=1;

## -- delete

delete from Users where userId=11;

## Output

Output				
Action Output				
#	Time	Action	Message	
89	16:22:01	create table Users ( userId int Primary Key, username varchar(50), pwd varchar(50), rol...	0 row(s) affected	
90	16:22:01	insert into Users (userId, username, pwd, roles) values (1, 'Rupa', 'admin@1', 'Admin'), (2, 'Sa...	10 row(s) affected Records: 10 Duplicates: 0 Warnings: 0	
91	16:22:01	update Users set pwd='Rupa123\$@' where userId=1	1 row(s) affected Rows matched: 1 Changed: 1 Warnings: 0	
92	16:22:01	delete from Users where userId=11	0 row(s) affected	

## Query:

select \* from Users;

## Output

	userId	username	pwd	roles
▶	1	Rupa	Rupa123\$@	Admin
	2	Sai	user@1	User
	3	Mohan	admin@2	Admin
	4	Harry	user@2	User
	5	Gayatri	admin@3	Admin
	6	Harshitha	user@3	User
	7	Mahesh	admin@4	Admin
	8	Haasini	user@4	User
	9	Nanditha	admin@5	Admin
	10	Raji	user@5	User
*	NULL	NULL	NULL	NULL



## **Query:**

### **-- create orders table**

```
create table Orders (  
    orderId int primary key,  
    userId int,  
    product_Id int,  
    orderDate date,  
    orderStatus varchar(20),  
    foreign key (userId) references Users(userId),  
    foreign key (product_Id) references products(product_Id)  
);
```

### **-- inserting records into orders table**

```
insert into Orders (orderId, userId, product_Id, orderDate, orderStatus) values  
(1, 1, 22, '2023-01-01', 'Completed'),  
(2, 2, 14, '2023-01-02', 'Shipped'),  
(3, 3, 9, '2023-01-03', 'Pending'),  
(4, 4, 15, '2023-01-04', 'Completed'),  
(5, 5, 26, '2023-01-05', 'Shipped'),  
(6, 6, 12, '2023-01-06', 'Pending'),  
(7, 7, 6, '2023-01-07', 'Shipped'),  
(8, 8, 21, '2023-01-08', 'Pending'),  
(9, 9, 11, '2023-01-09', 'Completed'),  
(10, 10, 7, '2023-01-10', 'Pending'),  
(11, 1, 20, '2023-01-01', 'Completed');
```

### **-- update**

```
update Orders set orderStatus='Cancelled' where userId=1;
```

### **-- delete**

```
delete from Orders where userId=11;
```

## Output

Output				
Action Output				
#	Time	Action	Message	
✓ 93	16:23:55	create table Orders ( orderId int primary key, userId int, product_Id int, orderDate date, ...	0 row(s) affected	
✓ 94	16:23:55	insert into Orders (orderId, userId, product_Id, orderDate, orderStatus) values (1, 1, 22, '2023-0...	11 row(s) affected Records: 11 Duplicates: 0 Warnings: 0	
✓ 95	16:23:55	update Orders set orderStatus='Cancelled' where userId=1	2 row(s) affected Rows matched: 2 Changed: 2 Warnings: 0	
✓ 96	16:23:55	delete from Orders where userId=11	0 row(s) affected	

## Query:

select \* from Orders;

## Output:

Result Grid					
Filter Rows:					
Edit:					
	orderId	userId	product_Id	orderDate	orderStatus
▶	1	1	22	2023-01-01	Cancelled
	2	2	14	2023-01-02	Shipped
	3	3	9	2023-01-03	Pending
	4	4	15	2023-01-04	Completed
	5	5	26	2023-01-05	Shipped
	6	6	12	2023-01-06	Pending
	7	7	6	2023-01-07	Shipped
	8	8	21	2023-01-08	Pending
	9	9	11	2023-01-09	Completed
	10	10	7	2023-01-10	Pending
	11	1	20	2023-01-01	Cancelled
*	NULL	NULL	NULL	NULL	NULL