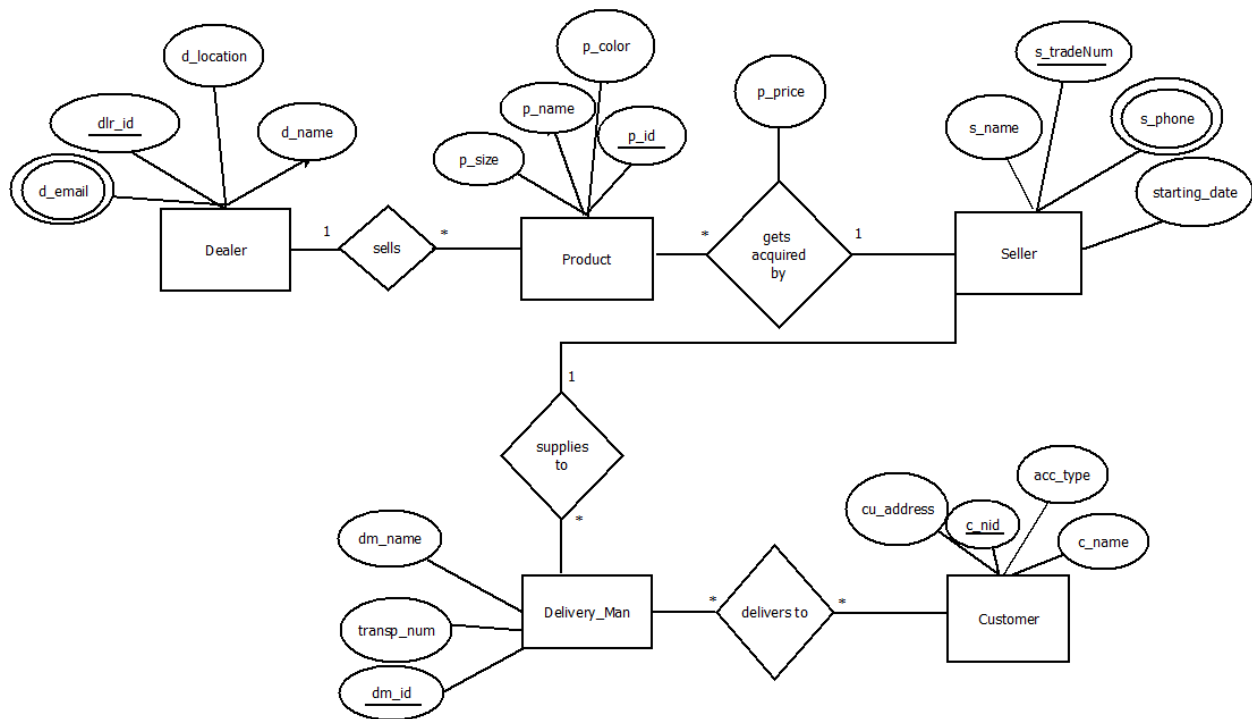


# ONLINE SHOP MANAGEMENT SYSTEM

## Scenario:

In an online shop management system, an online shop delivers many types of products to customers by delivery man in any location. An online shop has a dealer who is identical by their unique dealer id. A dealer has more attributes such as location from which they operate to, email and also their name. A dealer sells multiple products which gets acquired by a Seller. Each product has their unique id and they also have their name, size and color. Seller is identical to their unique trade license number and they have their usual name, phone number and the date which they started their business. Product has their prices which gets recorded by both the product and the seller who acquires it. There is also delivery man to deliver the products to the customers. A seller supplies the products to deliver to multiple delivery men. Each delivery man is recognized by their distinct delivery man id. They also have their name and the transport number which they use to deliver. There are many delivery men delivering products to many customers. Each customer has their unique nid for recognizing them separately and also, they are identical to their name, address and their account type in the online shop website.

## ER Diagram:



# ONLINE SHOP MANAGEMENT SYSTEM

## Normalization

 → Foreign Key

 → Primary Key

**Sells** (dlr\_id, d\_location, d\_name, d\_email, p\_id, p\_name, p\_price, p\_size, p\_color)

1NF: d\_email is a multivalued attribute

2NF: dlr\_id, d\_name, d\_location, d\_email

p\_id, p\_name, p\_color, p\_size, p\_price

3NF: dlr\_id, d\_name, d\_location, d\_email

p\_sizeid, p\_size, p\_price, p\_color

p\_id, p\_name

Table for Sells:

1. dlr\_id, d\_name, d\_location
2. p\_sizeid, p\_size, p\_price, p\_color
3. p\_id, p\_name, p\_sizeid, dlr\_id
4. dlr\_id, d\_email – composite primary key

**Gets acquired by** (p\_id, p\_size, p\_name, p\_color, p\_price, s\_name, s\_tradeNum, s\_phone, starting\_date)

1NF: s\_phone is a multivalued attribute

2NF: p\_id, p\_name, p\_size, p\_color, p\_price

s\_tradeNum, s\_name, s\_phone, starting\_date

3NF: p\_id, p\_name

p\_sizeid, p\_size, p\_price, p\_color

s\_tradeNum, s\_name, s\_phone, starting\_date

# ONLINE SHOP MANAGEMENT SYSTEM

Table for gets acquired by:

1. **p\_id**, p\_name, p\_price, **s\_tradeNum**, **p\_sizeid**
2. **p\_sizeid**, p\_price, p\_size, p\_color
3. **s\_tradeNum**, s\_name, starting\_date
4. **s\_tradeNum**, s\_phone-composite primary key

**Supplies to** (s\_tradeNum, s\_name, s\_phone, starting\_date, p\_price, dm\_id, transp\_num, dm\_name)

1NF: s\_phone is a multivalued attribute

2NF: **s\_tradeNum**, s\_name, s\_phone, p\_price, starting\_date  
**dm\_id**, dm\_name, transp\_num

3NF: No transitive dependency

**s\_tradeNum**, s\_name, s\_phone, p\_price, starting\_date  
**dm\_id**, dm\_name, transp\_num

Table for Supplies to:

1. **s\_tradeNum**, s\_name, p\_price, starting\_date
2. **dm\_id**, dm\_name, transp\_num, **s\_tradeNum**
3. **s\_tradeNum**, s\_phone- composite primary key

**Delivers to** (dm\_id, transp\_num, dm\_name, c\_nid, cu\_address, acc\_type, c\_name)

1NF: No multivalued Attribute

2NF: **dm\_id**, dm\_name, transp\_num  
**c\_nid**, cu\_address, acc\_type, c\_name

3NF: No transitive dependency

**dm\_id**, dm\_name, transp\_num  
**c\_nid**, cu\_address, acc\_type, c\_name

# ONLINE SHOP MANAGEMENT SYSTEM

Table for delivers to:

1. `dm_id`, `dm_name`, `transp_num`
2. `c_nid`, `cu_address`, `acc_type`, `c_name`
3. `t_id`, `dm_id`, `c_nid`

Final Table List

1. `dlr_id`, `d_name`, `d_location` – **Dealer**
2. `p_id`, `p_name`, `p_sizeid`, `dlr_id` - **Product**
3. `p_sizeid`, `p_size`, `p_price`, `p_color` – **ProductInfo**
4. `dlr_id`, `d_email` – **Dealer1**
5. `p_id`, `p_name`, `p_price`, `s_tradeNum`, `p_sizeid` – **Product1**
6. `s_tradeNum`, `s_name`, `p_price`, `starting_date` - **Seller**
7. `s_tradeNum`, `s_phone` – **Seller1**
8. `dm_id`, `dm_name`, `transp_num`, `s_tradeNum` – **DeliveryMan**
9. `c_nid`, `cu_address`, `acc_type`, `c_name` - **Customer**
10. `t_id`, `dm_id`, `c_nid` - **TrackDelivery**

# ONLINE SHOP MANAGEMENT SYSTEM

## Screenshots:

### Dealer:

The screenshot shows the Oracle Database Express Edition interface. The SQL Commands window contains the following text:

```
desc dealer
desc product
desc productInfo
desc dealer1
desc product1
desc seller
desc seller1
desc deliveryman
desc customer
desc trackdelivery
```

The Describe window shows the structure of the DEALER table:

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
DEALER	DLR_ID	Number	-	3	0	1	-	-	-
	D_NAME	Varchar2	20	-	-	-	✓	-	-
	D_LOCATION	Varchar2	15	-	-	-	✓	-	-

Language: en-us

### Product:

The screenshot shows the Oracle Database Express Edition interface. The SQL Commands window contains the following text:

```
desc dealer
desc product
desc productInfo
desc dealer1
desc product1
desc seller
desc seller1
desc deliveryman
desc customer
desc trackdelivery
```

The Describe window shows the structure of the PRODUCT table:

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
PRODUCT	P_ID	Number	-	4	0	1	-	-	-
	P_NAME	Varchar2	20	-	-	-	✓	-	-
	P_SIZEID	Number	-	5	0	-	✓	-	-
	DLR_ID	Number	-	3	0	-	✓	-	-

Language: en-us

# ONLINE SHOP MANAGEMENT SYSTEM

## Product Info

The screenshot shows the Oracle Database Express Edition interface. The SQL Commands window contains the following text:

```
desc dealer
desc product
desc productinfo
desc dealer1
desc product1
desc seller
desc seller1
desc deliveryman
desc customer
desc trackdelivery
```

The Describe window shows the structure of the PRODUCTINFO table:

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
PRODUCTINFO	P_SIZEID	Number	-	5	0	1	-	-	-
	P_SIZE	Varchar2	5	-	-	-	✓	-	-
	P_COLOR	Varchar2	7	-	-	-	✓	-	-
	P_PRICE	Number	-	5	0	-	✓	-	-

Language: en-us

## Dealer 1:

The screenshot shows the Oracle Database Express Edition interface. The SQL Commands window contains the following text:

```
desc dealer
desc product
desc productinfo
desc dealer1
desc product1
desc seller
desc seller1
desc deliveryman
desc customer
desc trackdelivery
```

The Describe window shows the structure of the DEALER1 table:

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
DEALER1	DLR_ID	Number	-	3	0	1	-	-	-
	D_EMAIL	Varchar2	40	-	-	-	✓	-	-

Language: en-us

# ONLINE SHOP MANAGEMENT SYSTEM

## Product 1:

Oracle Database Express Edition interface showing the SQL Commands window. The user is SCOTT. The SQL Commands window contains the following text:

```
desc dealer
desc product
desc productInfo
desc dealer1
desc product1
desc seller
desc seller1
desc deliveryman
desc customer
desc trackdelivery
```

The Object Type window displays the structure of the PRODUCT1 table:

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
PRODUCT1	P_ID	Number	-	4	0	1	-	-	-
	P_NAME	Varchar2	20	-	-	-	✓	-	-
	P_PRICE	Number	-	5	0	-	✓	-	-
	P_SIZEID	Number	-	5	0	-	✓	-	-
	S_TRADENUM	Number	-	10	0	-	✓	-	-

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## Seller:

Oracle Database Express Edition interface showing the SQL Commands window. The user is SCOTT. The SQL Commands window contains the following text:

```
desc dealer
desc product
desc productInfo
desc dealer1
desc product1
desc seller
desc seller1
desc deliveryman
desc customer
desc trackdelivery
```

The Object Type window displays the structure of the SELLER table:

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
SELLER	S_TRADENUM	Number	-	10	0	1	-	-	-
	S_NAME	Varchar2	20	-	-	-	✓	-	-
	STARTING_DATE	Date	7	-	-	-	✓	-	-
	P_PRICE	Number	-	5	0	-	✓	-	-

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# ONLINE SHOP MANAGEMENT SYSTEM

## Seller 1:

The screenshot shows the Oracle Database Express Edition interface. The SQL Commands window contains the following text:

```
desc dealer
desc product
desc productInfo
desc dealer1
desc product1
desc seller
desc seller1
desc deliveryman
desc customer
desc trackdelivery
```

The 'desc seller' command is highlighted. Below the SQL window, the 'Results' tab is active, displaying the following table:

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
SELLER1	S_TRADENUM	Number	-	10	0	1	-	-	-
	S_PHONE	Number	-	11	0	-	✓	-	-

The status bar at the bottom indicates 'Language: en-us' and 'Application Express 2.1.0.00.39'.

## Delivery Man:

The screenshot shows the Oracle Database Express Edition interface. The SQL Commands window contains the following text:

```
desc dealer
desc product
desc productInfo
desc dealer1
desc product1
desc seller
desc seller1
desc deliveryman
desc customer
desc trackdelivery
```

The 'desc deliveryman' command is highlighted. Below the SQL window, the 'Results' tab is active, displaying the following table:

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
DELIVERYMAN	DM_ID	Number	-	3	0	1	-	-	-
	DM_NAME	Varchar2	8	-	-	-	✓	-	-
	TRANSP_NUM	Number	-	10	0	-	✓	-	-
	S_TRADENUM	Number	-	10	0	-	✓	-	-

The status bar at the bottom indicates 'Language: en-us' and 'Application Express 2.1.0.00.39'.



# ONLINE SHOP MANAGEMENT SYSTEM

## Customer:

The screenshot shows the Oracle Database Express Edition interface. The SQL Commands window contains the following text:

```
desc dealer
desc product
desc productInfo
desc dealer1
desc product1
desc seller
desc seller1
desc deliveryman
desc customer
desc trackdelivery
```

The 'Describe' tab is selected, showing the structure of the 'CUSTOMER' table:

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
CUSTOMER	C_NID	Number	-	8	0	1	-	-	-
	C_NAME	Varchar2	20	-	-	-	✓	-	-
	CU_ADDRESS	Varchar2	25	-	-	-	✓	-	-
	ACC_TYPE	Varchar2	8	-	-	-	✓	-	-

Language: en-us

## Track Delivery:

The screenshot shows the Oracle Database Express Edition interface. The SQL Commands window contains the following text:

```
desc dealer
desc product
desc productInfo
desc dealer1
desc product1
desc seller
desc seller1
desc deliveryman
desc customer
desc trackdelivery
```

The 'Describe' tab is selected, showing the structure of the 'TRACKDELIVERY' table:

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
TRACKDELIVERY	T_ID	Number	-	5	0	1	-	-	-
	DM_ID	Number	-	3	0	-	✓	-	-
	C_NID	Number	-	8	0	-	✓	-	-

Language: en-us

# ONLINE SHOP MANAGEMENT SYSTEM

## Dealer:

The screenshot shows the Oracle Database Express Edition interface. The SQL Commands window contains the following query:

```
select *  
from dealer  
select *  
from productInfo  
select *  
from product  
select *  
from dealer1  
select *  
from seller  
select *  
from product1  
select *  
from seller1
```

The Results tab displays the following data:

DLR_ID	D_NAME	D_LOCATION
101	AFNAN	DHAKA
102	MONIR	RAJSHAHI
103	REZWAN	CHITTAGONG
104	ABID	SYLHET
105	SHAHRIAR	DINAJPUR

5 rows returned in 0.00 seconds

## Product Info:

The screenshot shows the Oracle Database Express Edition interface. The SQL Commands window contains the following query:

```
select *  
from dealer  
select *  
from productInfo  
select *  
from product  
select *  
from dealer1  
select *  
from seller  
select *  
from product1  
select *  
from seller1
```

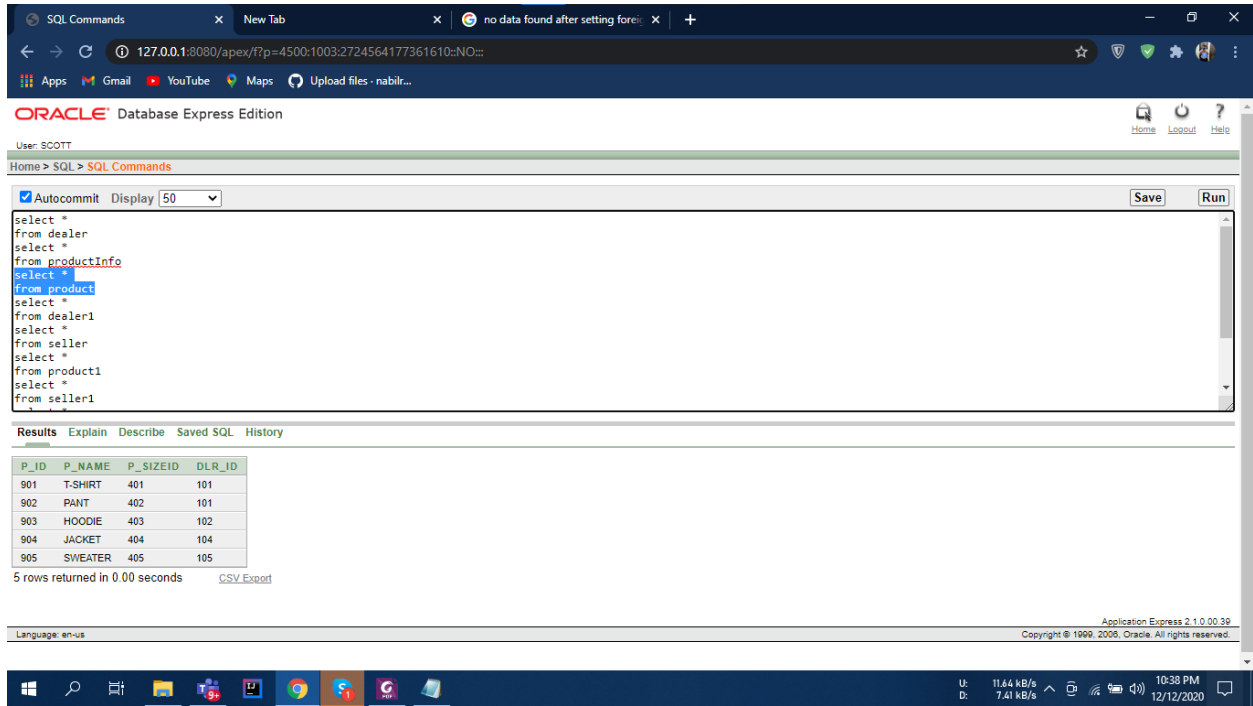
The Results tab displays the following data:

P_SIZEID	P_SIZE	P_COLOR	P_PRICE
401	M	WHITE	500
402	XL	BLUE	1000
403	S	PINK	300
404	XXL	GREEN	700
405	L	PURPLE	900

5 rows returned in 0.00 seconds

# ONLINE SHOP MANAGEMENT SYSTEM

## Product:



The screenshot shows the Oracle Database Express Edition interface. The SQL Commands window contains the following query:

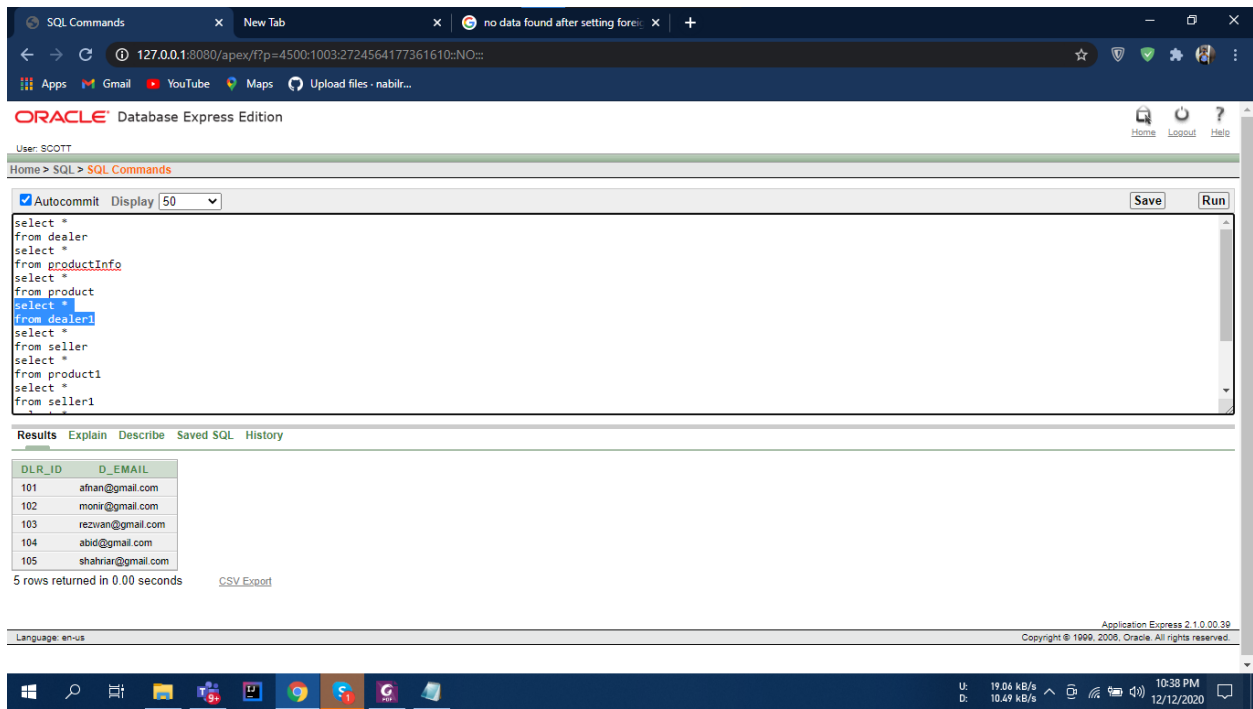
```
select *
from dealer
select *
from productinfo
select *
from product
select *
from dealer1
select *
from seller
select *
from product1
select *
from seller1
```

The query results are displayed in a table with 5 rows:

P_ID	P_NAME	P_SIZEID	DLR_ID
901	T-SHIRT	401	101
902	PANT	402	101
903	HOODIE	403	102
904	JACKET	404	104
905	SWEATER	405	105

5 rows returned in 0.00 seconds

## Dealer 1:



The screenshot shows the Oracle Database Express Edition interface. The SQL Commands window contains the following query:

```
select *
from dealer
select *
from productinfo
select *
from product
select *
from dealer1
select *
from seller
select *
from product1
select *
from seller1
```

The query results are displayed in a table with 5 rows:

DLR_ID	D_EMAIL
101	afnan@gmail.com
102	monir@gmail.com
103	rezvan@gmail.com
104	abid@gmail.com
105	shahriar@gmail.com

5 rows returned in 0.00 seconds

# ONLINE SHOP MANAGEMENT SYSTEM

## Seller:

The screenshot shows the Oracle Database Express Edition interface. The SQL command window contains the following query:

```
select *
from dealer
select *
from productinfo
select *
from product
select *
from dealer1
select *
from seller1
select *
from product1
select *
from seller1
```

The results table displays the following data:

S_TRADENUM	S_NAME	STARTING_DATE	P_PRICE
111222	NABIL	22-DEC-19	500
222222	TAMM	12-JAN-19	1000
555222	NAFIZ	10-DEC-19	900
333222	MAHIM	07-FEB-20	300
444222	ADHIR	08-DEC-20	700

5 rows returned in 0.00 seconds

## Product 1:

The screenshot shows the Oracle Database Express Edition interface. The SQL command window contains the following query:

```
select *
from dealer
select *
from productinfo
select *
from product
select *
from dealer1
select *
from seller
select *
from product1
select *
from seller1
```

The results table displays the following data:

P_ID	P_NAME	P_PRICE	P_SIZEID	S_TRADENUM
901	T-SHIRT	500	401	111222
902	PANT	1000	402	222222
903	HOODIE	900	405	555222
904	JACKET	300	403	333222
905	SWEATER	700	404	444222

5 rows returned in 0.00 seconds

# ONLINE SHOP MANAGEMENT SYSTEM

## Seller 1:

The screenshot shows the Oracle Database Express Edition interface. The SQL Commands window contains the following query:

```
from product
select *
from dealer1
select *
from seller
select *
from product1
select *
from seller1
select *
from deliveryman
select *
from customer
select *
from trackdelivery
```

The query results are displayed in a table with two columns: S\_TRADENUM and S\_PHONE.

S_TRADENUM	S_PHONE
111222	1792551141
222222	1779174188
555222	1718529049
333222	1731382620
444222	1303194640

5 rows returned in 0.00 seconds

## Delivery Man:

The screenshot shows the Oracle Database Express Edition interface. The SQL Commands window contains the following query:

```
from product
select *
from dealer1
select *
from seller
select *
from product1
select *
from seller1
select *
from deliveryman
select *
from customer
select *
from trackdelivery
```

The query results are displayed in a table with four columns: DM\_ID, DM\_NAME, TRANSP\_NUM, and S\_TRADENUM.

DM_ID	DM_NAME	TRANSP_NUM	S_TRADENUM
801	SHAIKAT	9282	111222
802	RIFAT	9292	222222
803	AHMED	9393	555222
804	EMILY	9494	333222
805	TAHMID	9595	444222

5 rows returned in 0.00 seconds

# ONLINE SHOP MANAGEMENT SYSTEM

## Customer:

The screenshot shows the Oracle Database Express Edition interface. The SQL Commands window contains the following query:

```
from product
select *
from dealer1
select *
from seller
select *
from product1
select *
from seller1
select *
from deliveryman
select *
from customer
select *
from trackdelivery
```

The Results tab displays the following data:

C_NID	C_NAME	CU_ADDRESS	ACC_TYPE
1000	AYESHA	DHAKA	VIP
1001	ARPITA	DHAKA	VIP
1002	ADETY	MANIKGANJ	VIP
1003	SAZIN	JOYPURHAT	VIP
1004	RIYA	TANGAIL	VIP

5 rows returned in 0.00 seconds

## Track Delivery:

The screenshot shows the Oracle Database Express Edition interface. The SQL Commands window contains the following query:

```
from product
select *
from dealer1
select *
from seller
select *
from product1
select *
from seller1
select *
from deliveryman
select *
from customer
select *
from trackdelivery
```

The Results tab displays the following data:

T_ID	DM_ID	C_NID
2000	801	1000
2001	801	1001
2002	802	1002
2003	803	1003
2004	804	1004

5 rows returned in 0.00 seconds

# ONLINE SHOP MANAGEMENT SYSTEM

## Constraints used:

- Primary Key
- Foreign Key
- Not Null
- Unique

## Primary Key, Foreign Key, Not Null

Results Explain Describe Saved SQL History												
OWNER	CONSTRAINT_NAME	CONSTRAINT_TYPE	TABLE_NAME	SEARCH_CONDITION	R_OWNER	R_CONSTRAINT_NAME	DELETE_RULE	STATUS	DEFERRABLE	DEFERRED	VALIDATED	GENERATED
SCOTT	CS2	P	PRODUCT	-	-	-	-	ENABLED	NOT DEFERRABLE	IMMEDIATE	VALIDATED	USER
SCOTT	CS11	R	PRODUCT	-	SCOTT	CS1	NO ACTION	ENABLED	NOT DEFERRABLE	IMMEDIATE	VALIDATED	USER
SCOTT	CS17	R	PRODUCT	-	SCOTT	CS3	NO ACTION	ENABLED	NOT DEFERRABLE	IMMEDIATE	VALIDATED	USER
SCOTT	SYS_C005294	U	PRODUCT	"P_NAME" IS NOT NULL	-	-	-	ENABLED	NOT DEFERRABLE	IMMEDIATE	VALIDATED	GENERATED

4 rows returned in 0.03 seconds [CSV Export](#)

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## Primary Key, Unique

Results Explain Describe Saved SQL History												
OWNER	CONSTRAINT_NAME	CONSTRAINT_TYPE	TABLE_NAME	SEARCH_CONDITION	R_OWNER	R_CONSTRAINT_NAME	DELETE_RULE	STATUS	DEFERRABLE	DEFERRED	VALIDATED	GENERATED
SCOTT	CS4	P	DEALER1	-	-	-	-	ENABLED	NOT DEFERRABLE	IMMEDIATE	VALIDATED	USER
SCOTT	CS99	U	DEALER1	-	-	-	-	ENABLED	NOT DEFERRABLE	IMMEDIATE	VALIDATED	USER

2 rows returned in 0.01 seconds [CSV Export](#)

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**NB:** Foreign key has been used as the final table of normalization suggest in that manner. The two screenshots given upwards are there to give a view of two other constraint being used, unique and not null.

# ONLINE SHOP MANAGEMENT SYSTEM

## Questions:

### Single Row Function

1. Write a query to display the information of customers whose name starts with A and address starts with D and their account type, rename the customer name column to customer and customer address column to Address.
2. Write a query to display since how many months Mahim has started his business give that column an appropriate name also rounds up the months.

### Multiple Row Function

3. Write a query to display the total number of sellers needed to add to have 100 sellers in your database also give an appropriate name to that column.
4. Write a query to display name and the most expensive clothing's price with 15% vat then show all the cloth's price with same condition, give the column an appropriate name.

### Subquery (Single and Multiple row)

5. Write a query to display the name and price of the clothing which costs more than Hoodie.
6. Write a query to display the names and price of those clothing's who are priced higher than the lowest

### Join

7. Write a query display the delivery men names and prices of those who delivers product which cost more than 800 takas
8. Write a query to display the product name, product size id, seller name, starting date and price who sells pant and the name starts with T

### Sequence and View

9. Write a query to create a sequence which will start from 10 will increase by 2 max value is 100 no cycle no cache
10. Create a view for products so that the user can only see or read the product id, product name and price.



# ONLINE SHOP MANAGEMENT SYSTEM

## Extras:

### All the Queries for the project

#### **Tables:**

```
create table Dealer(  
    dlr_id number(3),  
    d_name varchar2(20),  
    d_location varchar2(15))
```

```
create table Product(  
    p_id number(4),  
    p_name varchar2(20),  
    p_sizeid number(5),  
    dlr_id number(3))
```

```
create table ProductInfo(  
    p_sizeid number(5),  
    p_size varchar2(5),  
    p_color varchar2(7),  
    p_price number(5))
```

```
create table Dealer1(  
    dlr_id number(3),  
    d_email varchar2(40))
```

# ONLINE SHOP MANAGEMENT SYSTEM

```
create table Product1(  
  p_id number(4),  
  p_name varchar2(20),  
  p_price number(5),  
  p_sizeid number(5),  
  s_tradeNum number(10))
```

```
create table Seller(  
  s_tradeNum number(10),  
  s_name varchar2(20),  
  starting_date date,  
  p_price number(5))
```

```
create table Seller1(  
  s_tradeNum number(10),  
  s_phone number(11))
```

```
create table DeliveryMan(  
  dm_id number(3),  
  dm_name varchar2(8),  
  transp_Num number(10),  
  s_tradeNum number(10))
```

# ONLINE SHOP MANAGEMENT SYSTEM

```
create table Customer(
```

```
c_nid number(8),
```

```
c_name varchar2(20),
```

```
cu_address varchar2(25),
```

```
acc_type varchar2(8))
```

```
create table TrackDelivery(
```

```
t_id number(5),
```

```
dm_id number(3),
```

```
c_nid number(8))
```

## **Setting the primary keys:**

```
alter table dealer add constraint cs1 primary key(dlr_id)
```

```
alter table product add constraint cs2 primary key(p_id)
```

```
alter table ProductInfo add constraint cs3 primary key(p_sizeid)
```

```
alter table Dealer1 add constraint cs4 primary key(dlr_id)
```

```
alter table Product1 add constraint cs5 primary key(p_id)
```

```
alter table Seller add constraint cs6 primary key(s_tradeNum)
```

```
alter table Seller1 add constraint cs7 primary key(s_tradeNum)
```

```
alter table DeliveryMan add constraint cs8 primary key(dm_id)
```

```
alter table Customer add constraint cs9 primary key(c_nid)
```

```
alter table TrackDelivery add constraint cs10 primary key(t_id)
```

# ONLINE SHOP MANAGEMENT SYSTEM

## Setting the foreign keys:

alter table product add constraint cs11 foreign key (dlr\_id) references Dealer(dlr\_id)

alter table product add constraint cs17 foreign key (p\_sizeid) references ProductInfo(p\_sizeid)

alter table product1 add constraint cs12 foreign key (s\_tradeNum) references  
Seller(s\_tradeNum)

alter table product1 add constraint cs13 foreign key (p\_sizeid) references ProductInfo(p\_sizeid)

alter table DeliveryMan add constraint cs14 foreign key (s\_tradeNum) references  
Seller(s\_tradeNum)

alter table TrackDelivery add constraint cs15 foreign key (dm\_id) references  
DeliveryMan(dm\_id)

alter table TrackDelivery add constraint cs16 foreign key (c\_nid) references Customer(c\_nid)

## Setting the Unique and not null constraints:

alter table product modify(p\_name not null)

alter table dealer1 add constraint cs99 unique(d\_email)

## Description of All the tables:

desc dealer

desc product

desc productInfo

desc dealer1

desc product1

desc seller

desc seller1

desc deliveryman

desc customer

desc trackdelivery

# ONLINE SHOP MANAGEMENT SYSTEM

**Inserting the values into the column:**

select \*

from dealer

Insert into dealer values(101,'AFNAN','DHAKA')

Insert into dealer values(102,'MONIR','RAJSHAHI')

Insert into dealer values(103,'REZWAN','CHITTAGONG')

Insert into dealer values(104,'ABID','SYLHET')

Insert into dealer values(105,'SHAHRIAR','DINAJPUR')

select \*

from productInfo

Insert into productinfo values(401,'M','WHITE',500)

Insert into productinfo values(402,'XL','BLUE',1000)

Insert into productinfo values(403,'S','PINK',300)

Insert into productinfo values(404,'XXL','GREEN',700)

Insert into productinfo values(405,'L','PURPLE',900)

select \*

from product

Insert into product values(901,'T-SHIRT',401,101)

Insert into product values(902,'PANT',402,101)

Insert into product values(903,'HOODIE',403,102)

Insert into product values(904,'JACKET',404,104)

Insert into product values(905,'SWEATER',405,105)

# ONLINE SHOP MANAGEMENT SYSTEM

```
select *
```

```
from dealer1
```

```
Insert into dealer1 values(101,'afnan@gmail.com')
```

```
Insert into dealer1 values(102,'monir@gmail.com')
```

```
Insert into dealer1 values(103,'rezwan@gmail.com')
```

```
Insert into dealer1 values(104,'abid@gmail.com')
```

```
Insert into dealer1 values(105,'shahriar@gmail.com')
```

```
select *
```

```
from seller
```

```
Insert into seller values(111222,'NABIL',to_date('22-12-2019','dd-mm-yyyy'),500)
```

```
Insert into seller values(222222,'TAMIM',to_date('12-1-2019','dd-mm-yyyy'),1000)
```

```
Insert into seller values(333222,'MAHIM',to_date('7-2-2020','dd-mm-yyyy'),300)
```

```
Insert into seller values(444222,'ADHIR',to_date('8-12-2020','dd-mm-yyyy'),700)
```

```
Insert into seller values(555222,'NAFIZ',to_date('10-12-2019','dd-mm-yyyy'),900)
```

```
select *
```

```
from product1
```

```
Insert into product1 values(901,'T-SHIRT',500,401,111222)
```

```
Insert into product1 values(902,'PANT',1000,402,222222)
```

```
Insert into product1 values(903,'HOODIE',900,405,555222)
```

```
Insert into product1 values(904,'JACKET',300,403,333222)
```

```
Insert into product1 values(905,'SWEATER',700,404,444222)
```

# ONLINE SHOP MANAGEMENT SYSTEM

select \*

from seller1

Insert into seller1 values(111222,01792551141)

Insert into seller1 values(222222,01779174188)

Insert into seller1 values(555222,01718529049)

Insert into seller1 values(333222,01731392620)

Insert into seller1 values(444222,01303194640)

select \*

from deliveryman

Insert into deliveryman values(801,'SHAIKAT',9282,111222)

Insert into deliveryman values(802,'RIFAT',9292,111222)

Insert into deliveryman values(803,'AHMED',9393,333222)

Insert into deliveryman values(804,'EMILY',9494,444222)

Insert into deliveryman values(805,'TAHMID',9595,222222)

select \*

from customer

Insert into customer values(1000,'AYESHA','DHAKA','VIP')

Insert into customer values(1001,'ARPITA','DHAKA','VIP')

Insert into customer values(1002,'ADETY','MANIKGANJ','VIP')

Insert into customer values(1003,'SAZIN','JOYPURHAT','VIP')

Insert into customer values(1004,'RIYA','TANGAIL','VIP')

# ONLINE SHOP MANAGEMENT SYSTEM

select \*

from trackdelivery

Insert into trackdelivery values(2000,801,1000)

Insert into trackdelivery values(2001,801,1001)

Insert into trackdelivery values(2002,802,1002)

Insert into trackdelivery values(2003,803,1003)

Insert into trackdelivery values(2004,804,1004)