YOUR HEALTH

Pharmacy Application

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Description:

We have admin of application have one or many of pharmacy , each pharmacy has name , ID pharmacy (unique) and bill , product details , address by the details of street and city . And one pharmacy have one admin .

Each admin have id_user (unique) , Password, name .

Each admin manage one or many of delivery person and one delivery person manage by one admin .

Each delivery person have car details , id_delivery(unique) , number of phone , name and price.

Each delivery person deliver one or many customers, the data of delivery is saved and one customer delivery by one delivery person .

Each customer have user name(unique) , name, address by the details of street and city , payment by the details of cash or credit card , No.of phone . Customer may order or not from admin and save id order and each admin take order one or more customer.

Customer may or may not get advice from doctor , and doctor give advice to one or more customer .
Each doctor have id_doctor (unique) ,name and set experience .

Each admin register one or more doctor and one doctor register by one admin only .

ER Diagram:
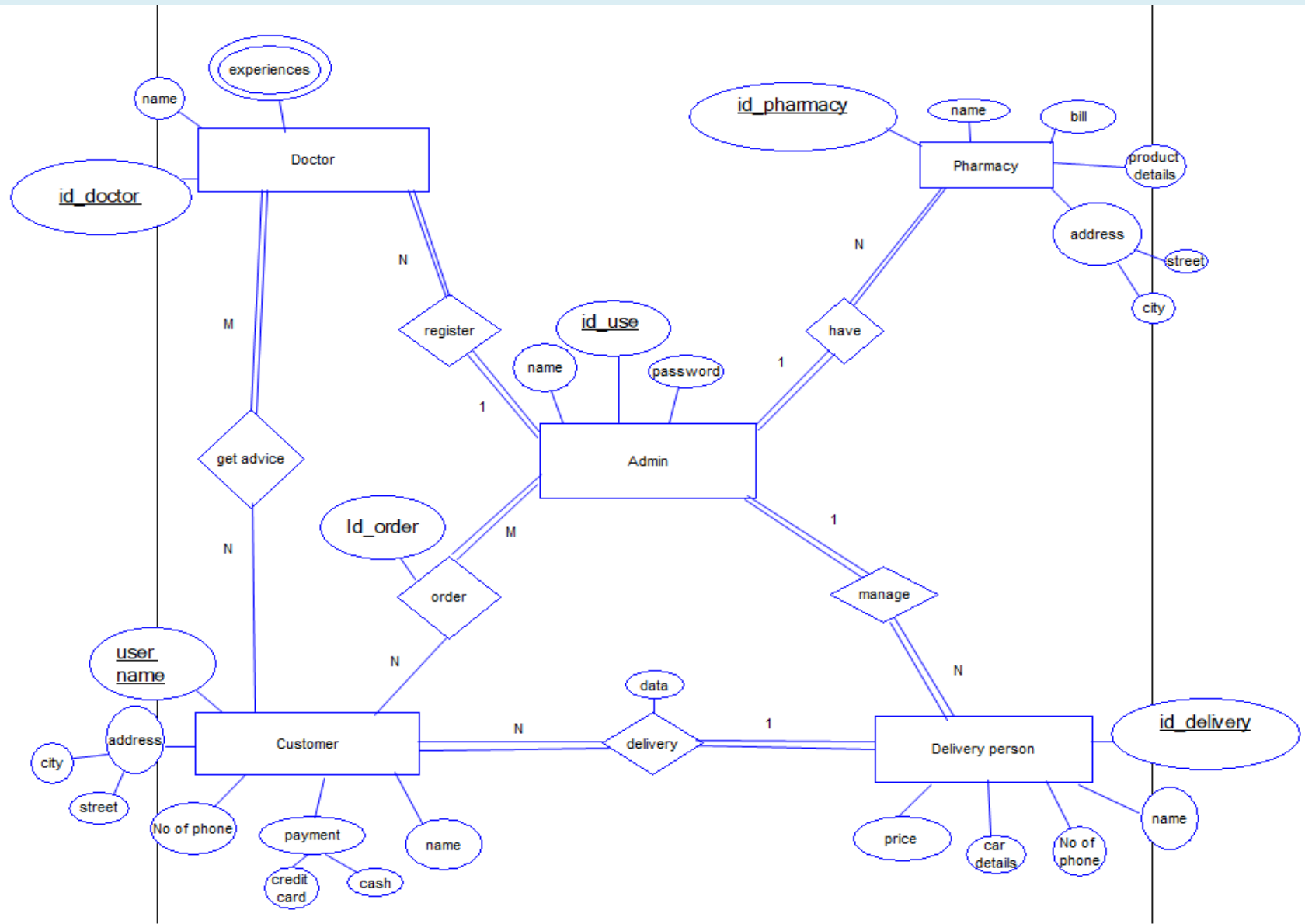
Relational Schema :

Pharmacy(ID_pharmacy , Name ,Bill ,Product_details , street , city ,Id_userP#)

Admin (Id_user , Name , password)

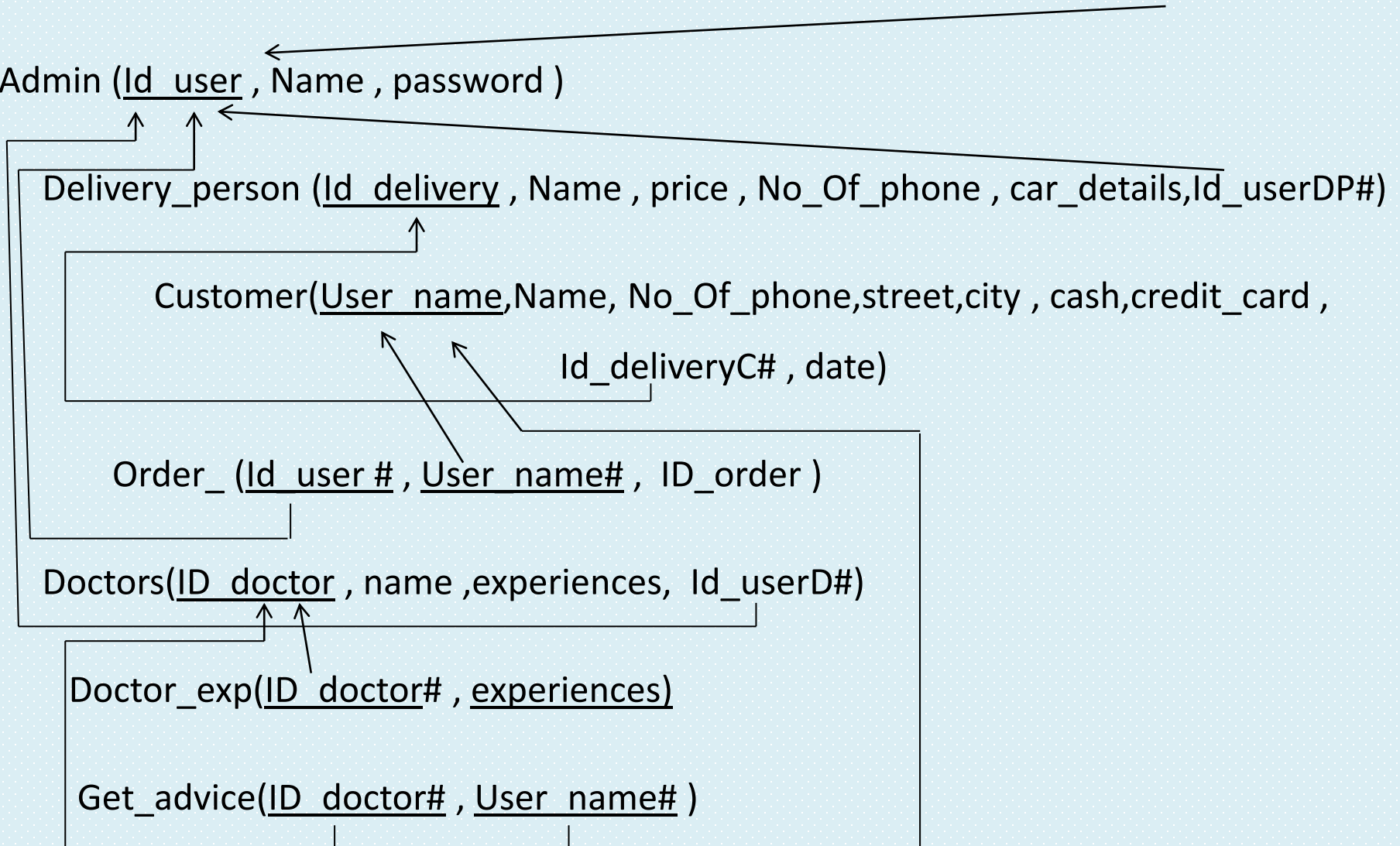Delivery_person (Id_delivery , Name , price , No_Of_phone , car_details,Id_userDP#)

Customer(User_name,Name, No_Of_phone,street,city , cash,credit_card ,

Id_deliveryC# , date)

Order_ (Id_user # , User_name# , ID_order)

Doctors(ID_doctor , name ,experiences, Id_userD#)

Doctor_exp(ID_doctor# , experiences)

Get_advice(ID_doctor# , User_name#)

Normalizatin into 1NF:

Pharmacy

ID_Pharmacy	Name	Bill	Product details	street	city	Id_user

Pharmacy

ID_Pharmacy	Name	Bill	Product details	street	city	Id_user
1	whites	200	Kids Accessories - Body Care - Daily Care	king khalid	Abha	1
2	Nahdi	120	Hair Care - Baby Care - Skin Care	Amro bin alaas	Alkharj	3
3	Aldawa	300	Skin Care – Medications - Vitamins	Alkhuzama	Alkharj	2

Pharmacy

ID_Pharmacy	Name	Bill	street	city	Id_user

Pharmacy_pro

ID_Pharmacy	Product details

Normalization into 1NF:

Delivery_person

Id_delivery	name	price	No_Of_Phone	Car_details	Id_user

Delivery_person

Id_delivery	name	price	No_Of_Phone	Car_details	Id_user
1	Ahmad	20	0512347612	Ford , Red,1234	1
2	Ali	15	0573194302	Hyunda,Black,9765	3

Delivery_person

Id_delivery	name	price	No_Of_Phone	Id_user
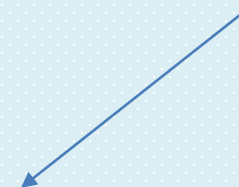
Details_delivery

Id_delivery	Car_details

Pharmacy(ID_pharmacy , Name ,Bill , street , city ,Id_userP#)

Pharmacy_pro(ID_pharmacy #, Product_details)

Admin (Id_user , Name , password)

Delivery_person (Id_delivery , Name , price , No_Of_phone ,Id_userDP#)

Details_delivery(Id_delivery# , car_details)

Customer (User_name , Name , No_Of_phone , street,city , cash , credit_card , Id_deliveryC# , date)

Order_ (Id_user , User_name , ID_order)

Doctors(ID_doctor , name , Id_userD#)

Doctor_exp(ID_doctor# , experiences)

get_advice(ID_doctor , User_name)

Create Table admin :

Application Builder ⌄   SQL Workshop ⌄   Team Development ⌄   Packaged Apps ⌄

↑ SQL Commands

Schema   SA_B244_SQL_S34

Rows   10   Clear Command   Find Tables   Save   Run

```
Create table admin
(Id_user number(10) constraint admin_id_pk primary key ,
Name varchar2(20),password varchar2(8) not null) ;
```

Results   Explain   Describe   Saved SQL   History

Table created.

0.03 seconds

Create Table Doctors :

SQL Commands   Schema   SA_B244_SQL_S34

Rows   10   Clear Command   Find Tables   Save   Run

```
Create table Doctors
 (Id_doctor number(10) constraint doctor_id_pk primary key ,
Name varchar2(20), Id_userD number(10) constraint doctor_admin_fk references admin (Id_user)) ;
```

Results   Explain   Describe   Saved SQL   History

Table created.

0.03 seconds

Create Table doctor_exp :

SQL Commands   Schema   SA_B244_SQL_S34

Rows 10   Clear Command   Find Tables   Save   Run

```
Create table doctor_exp
( Id_doctor number(10) constraint doctor_exp_fk references Doctors (Id_doctor),
Experience varchar2(20) constraint doctor_exp_pk primary key ) ;
```

Results   Explain   Describe   Saved SQL   History

Table created.

0.03 seconds

Create Table Pharmacy :

SQL Commands

Schema   SA_B244_SQL_S34

Rows   10   Clear Command   Find Tables   Save   Run

```
Create table pharmacy
 (Id_pharmacy number(10) constraint pharmacy_id_pk primary key ,
Name varchar2(50) ,Bill number(20)  ,street varchar2(20) not null ,city varchar2(20)  not null , Id_userP number(10) constraint pharmacy_admin_fk references admin (Id_user)) ;
```

Results   Explain   Describe   Saved SQL   History

Table created.

0.03 seconds

Create Table Pharmacy_pro :

Application Builder ∨   SQL Workshop ∨   Team Development ∨   Packaged Apps ∨

↑ **SQL Commands**

Schema   SA_B244_SQL_S34

Rows 10

Clear Command   Find Tables

Save   **Run**

```
Create table pharmacy_pro
(Id_pharmacy number(10) constraint pharmacy_pro_fk references pharmacy (Id_pharmacy),
product_details varchar2(1000) , constraint pharmacy_pro_pk primary key(Id_pharmacy ,product_details)) ;
```

Results   Explain   Describe   Saved SQL   History

Table created.

0.03 seconds

Create Table Delivery_person :

SQL Commands

Schema   SA_B244_SQL_S34

Rows   10

Clear Command   Find Tables

Save   Run

```
Create table delivery_person
(Id_delivery number(10) constraint delivery_id_pk primary key ,
Name varchar2(20) ,price number(20),No_of_phone number(10) not null, Id_userDP number(10) constraint delivery_user_fk references admin (Id_user));
```

Results   Explain   Describe   Saved SQL   History

Table created.

0.04 seconds

Create Table Details_delivery :

SQL Commands

Schema   SA_B244_SQL_S34

Rows   10

Clear Command   Find Tables

Save   Run

```
Create table details_delivery
(Id_delivery  number(10) constraint details_delivery_fk references delivery_person (Id_delivery),
car_details varchar2(50) , constraint details_delivery_pk primary key(Id_delivery  ,car_details) ) ;
```

Results   Explain   Describe   Saved SQL   History

Table created.

0.03 seconds

Create Table Customers :

SQL Commands   Schema   SA_B244_SQL_S34

Rows | 10   Clear Command   Find Tables   Save   Run

```
Create table customers
 (user_name varchar2(20) constraint cus_user_pk primary key ,
No_of_phone number(10) not null ,Name varchar2(20) , street varchar2(20) not null,city varchar2(20) not null, cash number(10), credit_card varchar2(15), data varchar2(15),
Id_deliveryC number(10) constraint cust_delivery_fk references delivery_person (Id_delivery)) ;
```

Results   Explain   Describe   Saved SQL   History

Table created.

0.07 seconds

Create Table Order :

Application Builder   SQL Workshop   Team Development   Packaged Apps

↑ **SQL Commands**   Schema   SA_B244_SQL_S34

Rows   10   Clear Command   Find Tables   Save   **Run**

```
Create table order_ (Id_user number(10) , User_name varchar2(20) ,Id_order number(10) ,
constraint order_pk primary key(Id_user , User_name), constraint order_id_fk foreign key (Id_user) references admin(Id_user),
constraint order_user_fk foreign key (User_name) references customers(user_name)) ;
```

Results   Explain   Describe   Saved SQL   History

Table created.

0.05 seconds

Create Table Get_Advice ：

SQL Commands

Schema `SA_B244_SQL_S34`

Rows `10`   Clear Command   Find Tables   Save   Run

```
Create table get_advice
(Id_doctor number(10) constraint get_doc_id_fk references Doctors (Id_doctor),
User_name varchar2(20) constraint get_user_fk references customer (user_name));
```

Results   Explain   Describe   Saved SQL   History

Table created.

0.02 seconds

Insert Data into Table :

```
insert into pharmacy
values(1,'Nahdi',120 ,'Amro bin alaas','Alkharj',1)
```

Results **Explain** **Describe** **Saved SQL** **History**

1 row(s) inserted.

```
insert into pharmacy
values(3,'Aldawa',310,'Alkhuzama','Alkharj',1)
```

Results **Explain** **Describe** **Saved SQL** **History**

1 row(s) inserted.

```
insert into pharmacy
values(2,'whites',200,'king khalid','Abha',1)
```

Results **Explain** **Describe** **Saved SQL** **History**

1 row(s) inserted.

```
insert into pharmacy
values(4,'Boots ',140,'Olaia','Riyadh',1)
```

Results **Explain** **Describe** **Saved SQL** **Hi**

1 row(s) inserted.

```
insert into customer (user_name,No_of_phone,name ,street,city)
values('RK',0534602846,'Rawan','hamza bin omar','Aldilam')
```

| Results | Explain | Describe | Saved SQL | History |

1 row(s) inserted.

```
insert into customer (user_name,No_of_phone,name ,street,city)
values('Q23',0510737297,'khalid','shifa','Riyadh')
```

| Results | Explain | Describe | Saved SQL | History |

1 row(s) inserted.

```
insert into customer (user_name,No_of_phone,name ,street,city)
values('PNR1',0512098456,'Asma','olia','kharj')
```

| Results | Explain | Describe | Saved SQL | History |

1 row(s) inserted.

```
insert into customer (user_name,No_of_phone,name ,street,city)
values('EOT',0505626195,'Faisal','King fahad','Damam')
```

| Results | Explain | Describe | Saved SQL | History |

1 row(s) inserted.

```
Select*
from pharmacy
```

Pharmacy Table :

ID_PHARMACY	NAME	BILL	STREET	CITY	ID_USERP
2	whites	200	king khalid	Abha	1
4	Boots	140	Olaia	Riyadh	1
1	Nahdi	120	Amro bin alaas	Alkharj	1
3	Aldawa	310	Alkhuzama	Alkharj	1

4 rows returned in 0.01 seconds   Download

```
Select*
from pharmacy_pro
```

Pharmacy_pro Table :

ID_PHARMACY	PRODUCT_DETAILS
1	Body Care - Daily Care - Hair Care - Baby Care - Skin Care - Medications & Recipes – Vitamins- make-up tools
2	Kids Accessories - Body Care - Daily Care - Hair Care - Baby Care - Skin Care - Medications & Recipes - Vitamins
4	care and medical devices - Body Care - Daily Care - Hair Care - Baby Care - Skin Care - Medications & Recipes - Vitamins
3	foundation cream - Mascara - lip balm - Body Care - Daily Care - Hair Care - Baby Care - Skin Care - Medications & Recipes – Vitamins

4 rows returned in 0.01 seconds   Download

```
Select*
from admin
```

Admin Table :

ID_USER	NAME	PASSWORD
1	Rana	5456677

1 rows returned in 0.00 seconds   Download

```
Select*
from delivery_person
```

Delivery_person Table :

ID_DELIVERY	NAME	PRICE	NO_OF_PHONE	ID_USERDP
1	Hasan	30	543678121	1
2	Ahmad	20	512347612	1
3	Azam	15	509876543	1
4	Ali	33	556439201	1

4 rows returned in 0.01 seconds   Download

```
Select*
from details_delivery
```

Details_delivery Table :

ID_DELIVERY	CAR_DETAILS
1	Hyundai gray 9918
3	KIA red 9083
2	Hyundai black 2345
4	ford black 4567

4 rows returned in 0.01 seconds   Download

```
Select*
from customer
```

Customers Table :

USER_NAME	NO_OF_PHONE	NAME	STREET	CITY	CASH	CREDIT_CARD	DATA	ID_DELIVERYC
Q23	510737297	khalid	shifa	Riyadh	-	-	-	-
PNR1	512098456	Asma	olia	kharj	-	-	-	-
RK	534602846	Rawan	hamza bin omar	Aldilam	-	-	-	-
EOT	505626195	Faisal	King fahad	Damam	-	-	-	-

4 rows returned in 0.00 seconds   Download

```
Select*
from Doctors
```

Doctors Table :

ID_DOCTOR	NAME	ID_USERD
3	Bader Azam	1
1	Ahmad Ali	1
2	Anas khalid	1
4	Ali Zeed	1

4 rows returned in 0.01 seconds   Download

```
Select*
from doctor_exp
```

Doctor_exp Table :

ID_DOCTOR	EXPERIENCE
3	He received his masters degree in dermatology from the Faculty of Medicine, Cairo University
4	Trained in ophthalmology in Oxford and London, he worked at the Oxford Eye Hospital in Oxford
2	Ophthalmologist certified by the General Authority of Civil Aviation

3 rows returned in 0.00 seconds   Download

```
Select*
from order_
```

Order Table :

ID_USER	USER_NAME	ID_ORDER
1	RK	1
1	Q23	2
1	PNR1	3
1	EOT	4

4 rows returned in 0.01 seconds   Download

```
Select*
from get_advice
```

Get_advice Table :

ID_DOCTOR	USER_NAME
1	EOT
2	RK
3	Q23
4	PNR1

4 rows returned in 0.00 seconds   Download

Update :

```
update delivery_person
set price =20
where name ='Azam';
```

Results   **Explain**   De:

1 row(s) updated.

0.00 seconds

```
update delivery_person
set price =0
```

Results   **Explain**   **Describe**   **Saved SQL**   **History**

4 row(s) updated.

0.01 seconds

Query :

Table after update :

Table after Query :