**Pharmacy application**

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.

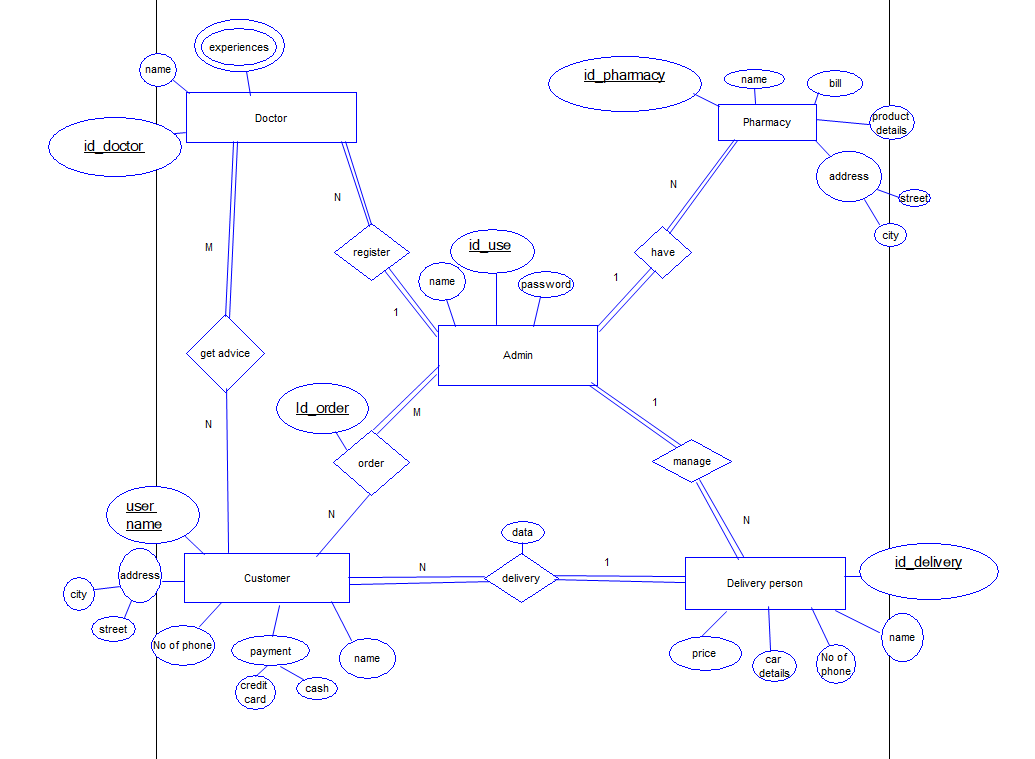
customer may or may not get advice from doctor , and doctor give advice to one or more customer .   
Each doctor have id\_doctor (unique) ,name and set experience . Each admin register one or more doctor and one doctor register by one admin only .

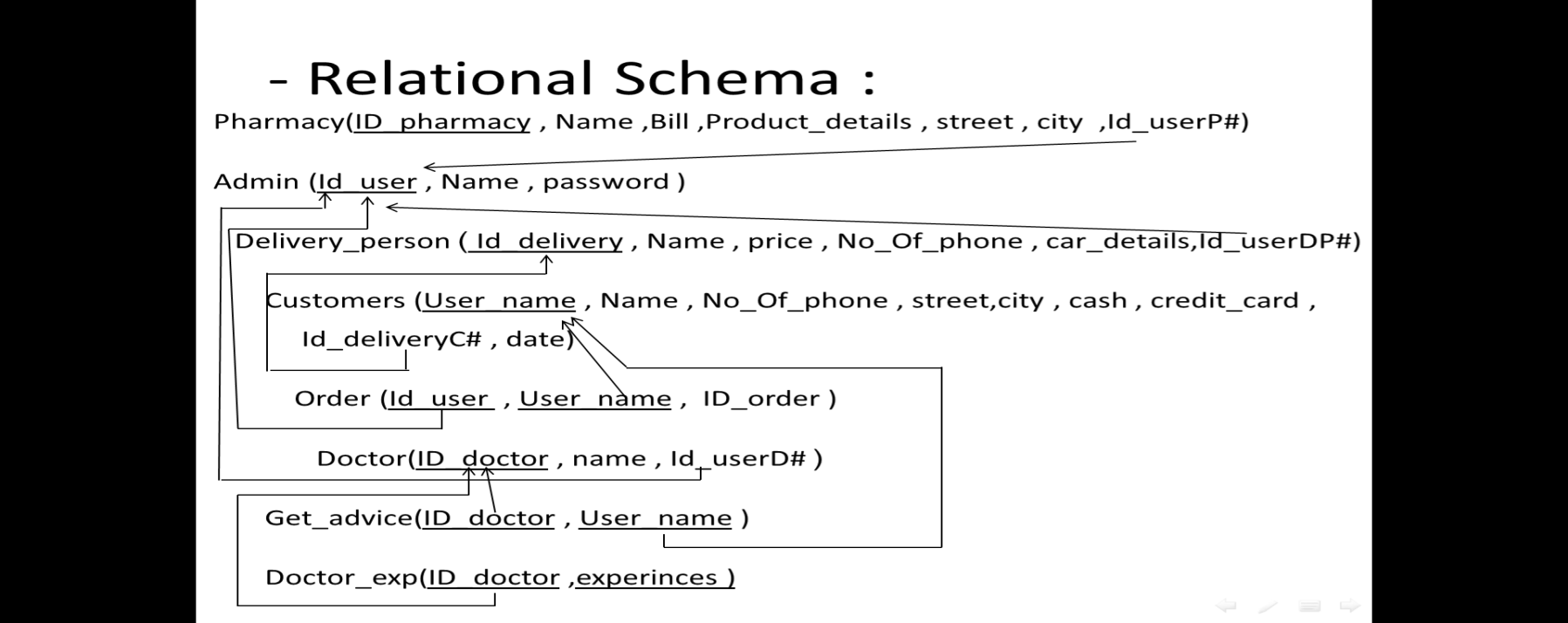


Shahad Alharbi

Rahaf Alyousef

Your Health

**ER diagram :**



**Normalizatin into 1NF:**

**Pharmacy**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Id\_user** | **city** | **street** | **Product details** | **Bill** | **Name** | **ID\_Pharmacy** |

**Pharmacy**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Id\_user** | **city** | **street** | **Bill** | **Name** | **ID\_Pharmacy** |

|  |  |
| --- | --- |
| **Product details** | **ID\_Pharmacy** |

**Pharmacy\_pro**

**Normalizatin into 1NF:**

**Delivery\_person**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Id\_user** | **Car\_details** | **No\_Of\_Phone** | **price** | **name** | **Id\_delivery** |

**Delivery\_person**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Id\_user** | **No\_Of\_Phone** | **price** | **name** | **Id\_delivery** |

**Details\_delivery**

|  |  |
| --- | --- |
| **Car\_details** | **Id\_delivery** |

**Relational Schema After normalization :**

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 )

**Code of Tables:**

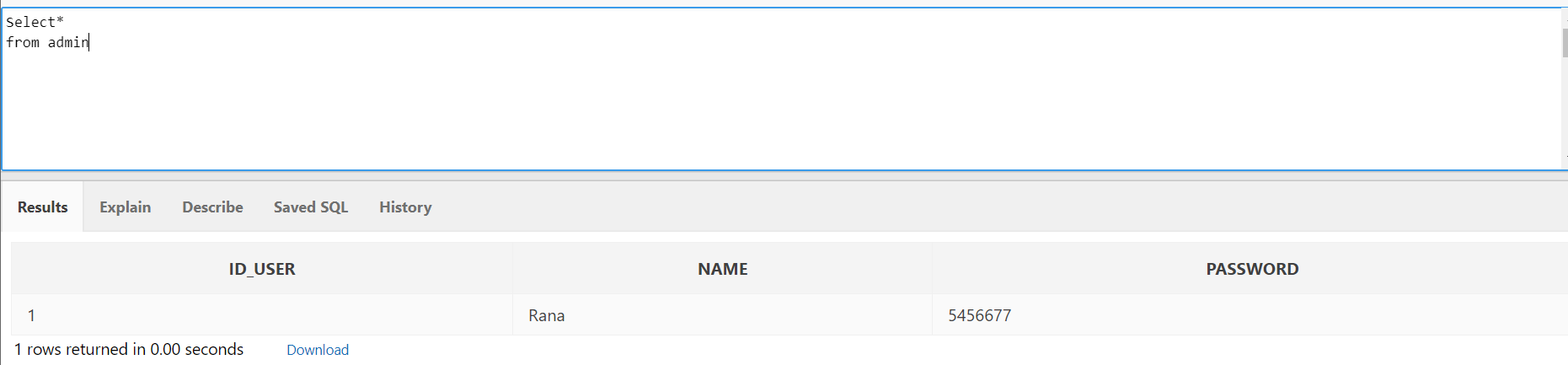
Create table admin

(Id\_user number(10) constraint admin\_id\_pk primary key ,

Name varchar2(20),password varchar2(8) not null) ;

Insert into admin

values (1,'Rana','5456677')



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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)) ;

insert into Doctors

values(1,'Ahmad Ali',1)

insert into Doctors

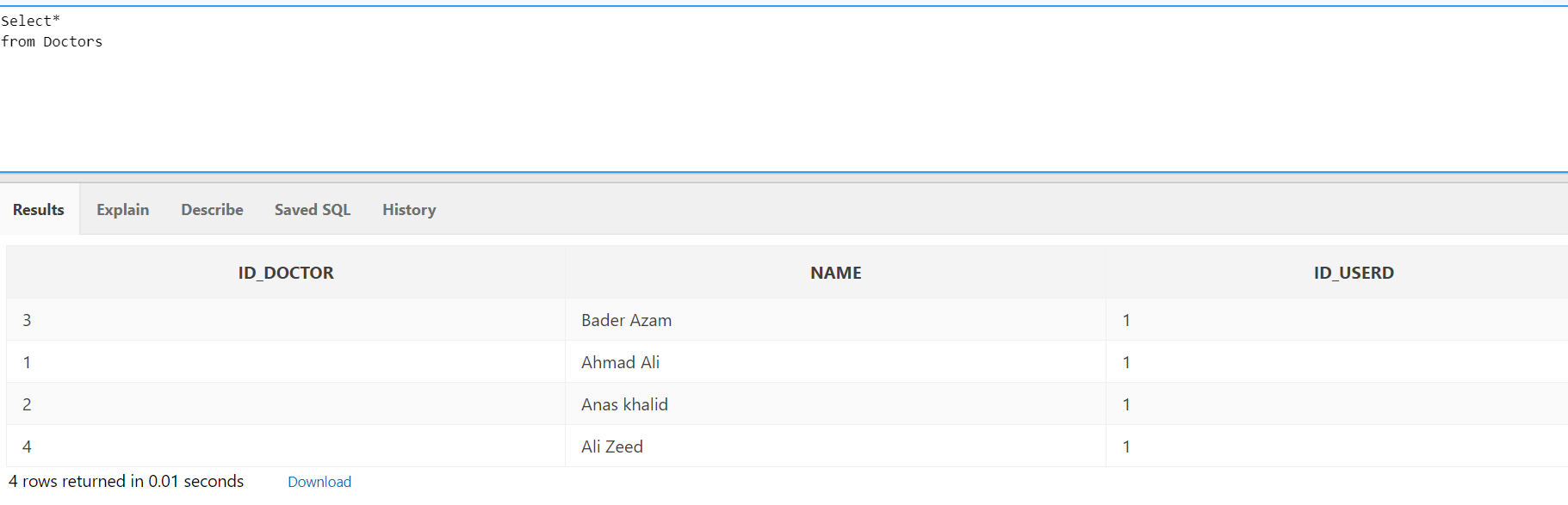
values(2,'Anas khalid',1)

insert into Doctors

values(3,'Bader Azam',1)

insert into Doctors

values(4,'Ali Zeed',1)



Create table doctor\_exp

( Id\_doctor number(10) constraint doctor\_exp\_fk references Doctors (Id\_doctor),

Experience varchar2(1000) constraint doctor\_exp\_pk primary key ) ;

insert into doctor\_exp

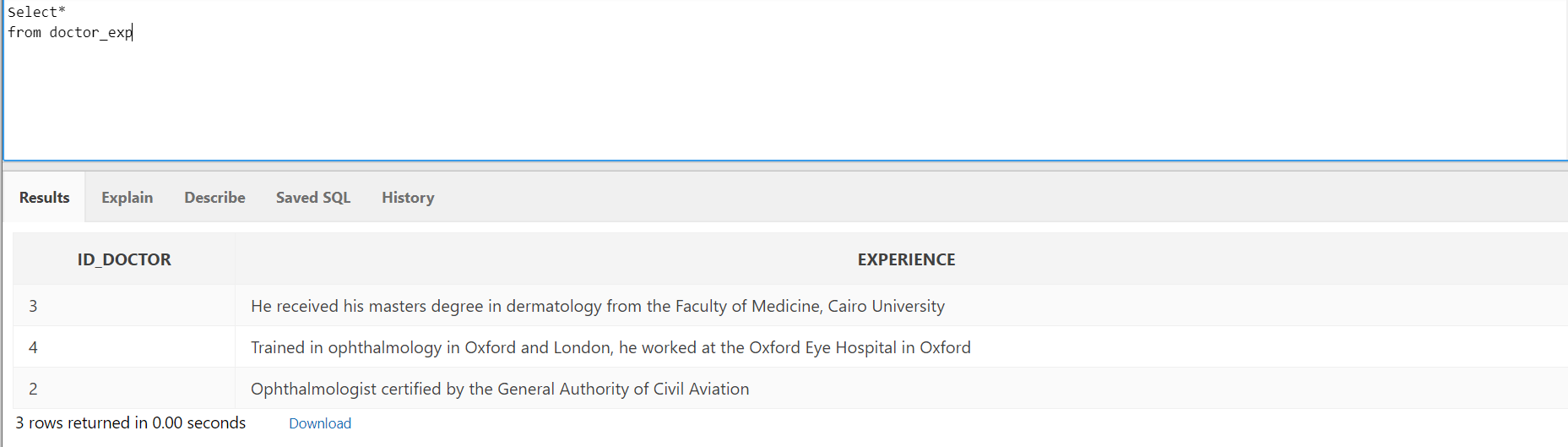
values(2,' Ophthalmologist certified by the General Authority of Civil Aviation')

insert into doctor\_exp

values(3,' He received his masters degree in dermatology from the Faculty of Medicine, Cairo University')

insert into doctor\_exp

values(4,' Trained in ophthalmology in Oxford and London, he worked at the Oxford Eye Hospital in Oxford')



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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)) ;

insert into pharmacy

values(1,'Nahdi',120 ,'Amro bin alaas','Alkharj',1)

insert into pharmacy

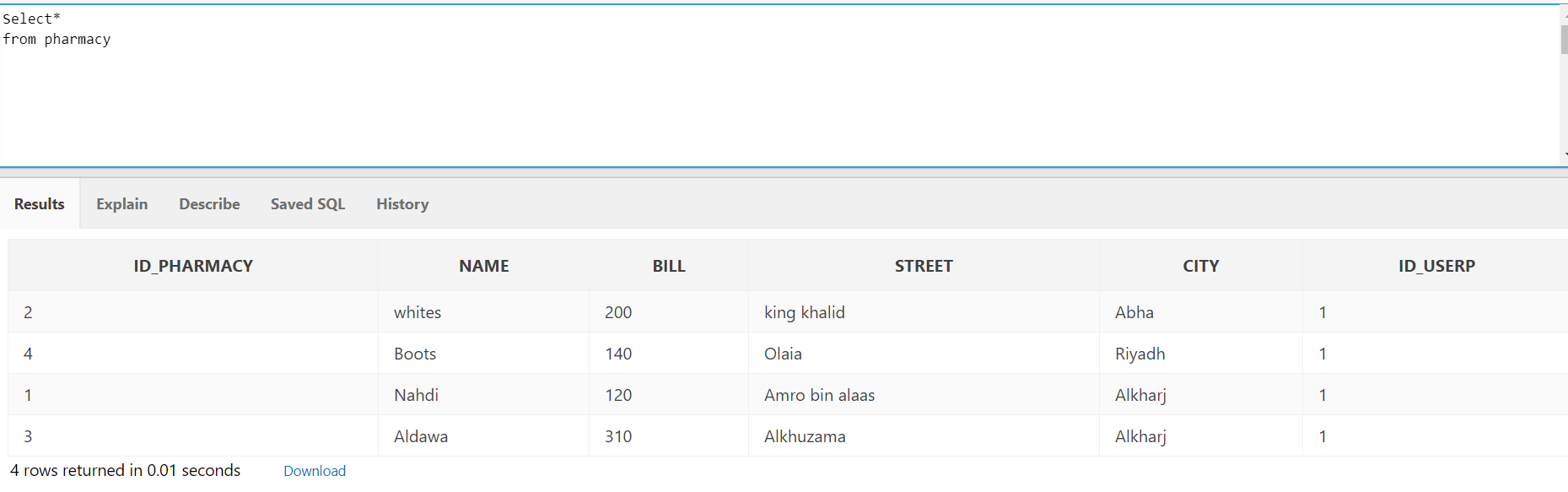
values(2,'whites',200,'king khalid','Abha',1)

insert into pharmacy

values(3,'Aldawa',310,'Alkhuzama','Alkharj',1)

insert into pharmacy

values(4,'Boots ',140,'Olaia','Riyadh',1)



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) ) ;

insert into pharmacy\_pro

values(1,'Body Care-Daily Care -Hair Care-Baby Care -Skin Care -Medications&Recipes –Vitamins-make-up tools')

insert into pharmacy\_pro

values(2, 'Kids Accessories - Body Care - Daily Care - Hair Care - Baby Care - Skin Care - Medications & Recipes - Vitamins')

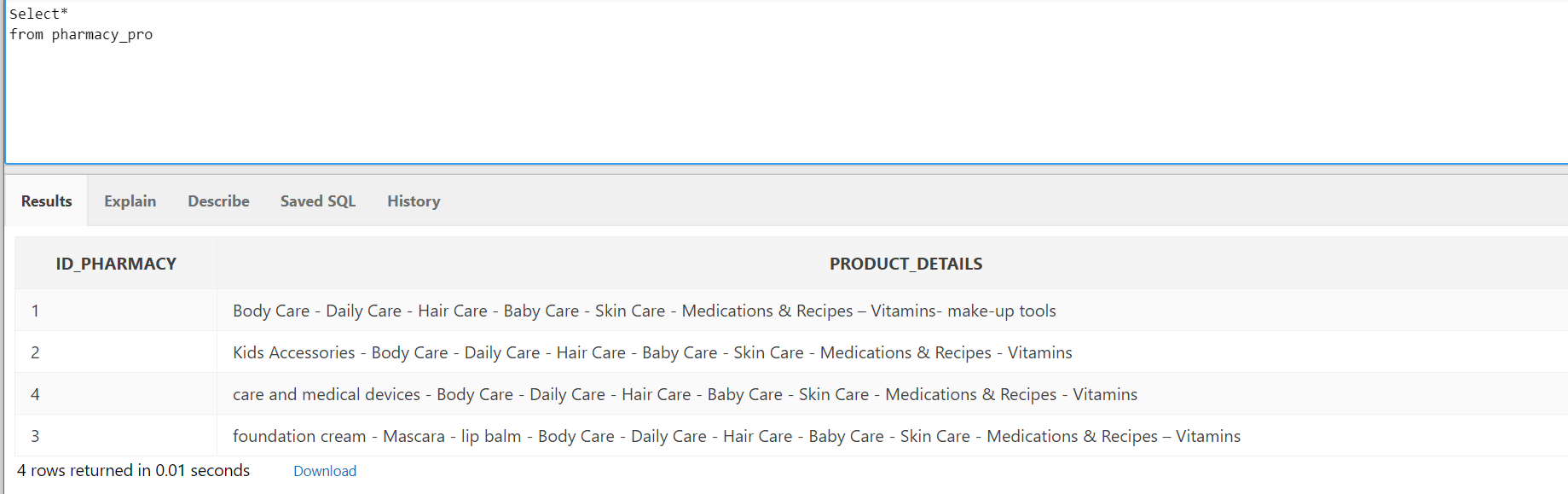
insert into pharmacy\_pro

values(3, 'foundation cream - Mascara - lip balm - Body Care - Daily Care - Hair Care - Baby Care - Skin Care - Medications & Recipes – Vitamins ')

insert into pharmacy\_pro

values(4 ,'care and medical devices - Body Care - Daily Care - Hair Care - Baby Care - Skin Care –

Medications & Recipes - Vitamins')



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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));

insert into delivery\_person

values(1,'Hasan',30 ,0543678121,1)

insert into delivery\_person

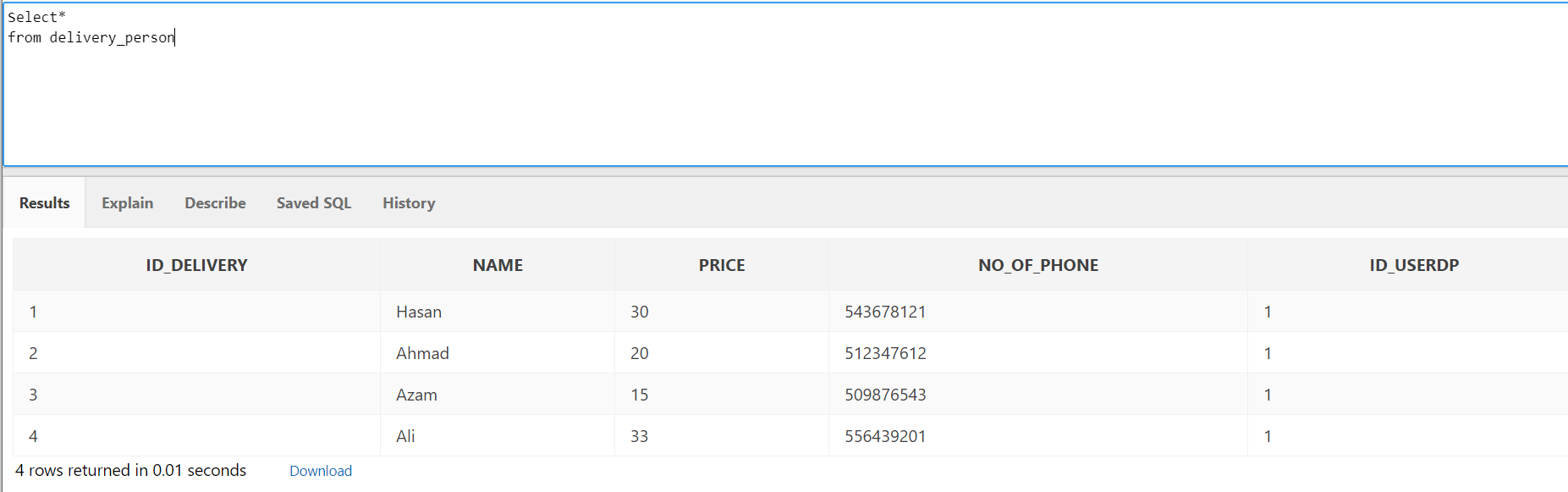
values(2,'Ahmad',20,0512347612,1)

insert into delivery\_person

values(3,'Azam',15 ,0509876543,1)

insert into delivery\_person

values(4,'Ali',33 ,0556439201,1)



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) ) ;

insert into details\_delivery

values(1, 'Hyundai gray 9918')

insert into details\_delivery

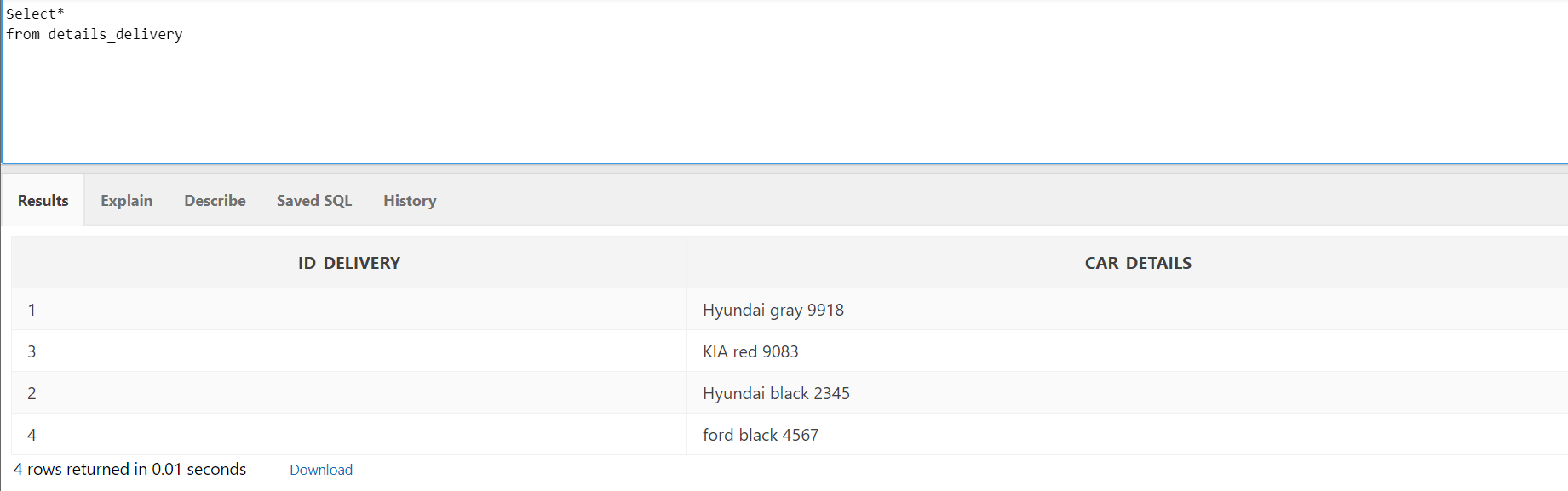
values(2, 'Hyundai black 2345')

insert into details\_delivery

values(3, 'KIA red 9083')

insert into details\_delivery

values(4, 'ford black 4567')



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Create table customer

) 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))

insert into customer (user\_name,No\_of\_phone,name ,street,city)

values('RK',0534602846,'Rawan','hamza bin omar','Aldilam')

insert into customer (user\_name,No\_of\_phone,name ,street,city)

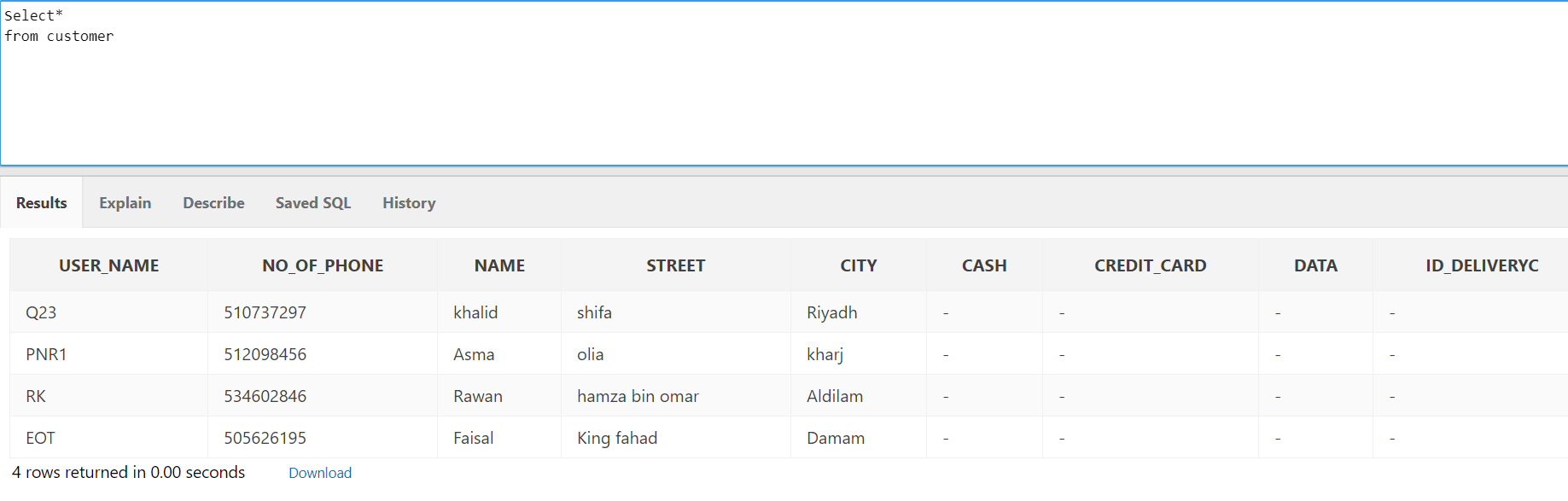
values('Q23',0510737297,'khalid','shifa','Riyadh')

insert into customer (user\_name,No\_of\_phone,name ,street,city)

values('PNR1',0512098456,'Asma','olia','kharj')

insert into customer (user\_name,No\_of\_phone,name ,street,city)

values('EOT',0505626195,'Faisal','King fahad','Damam')



Create table order\_

(Id\_user number(10) constraint order\_id\_fk references admin (Id\_user),

User\_name varchar2(20) constraint order\_user\_fk references customer (user\_name),

Id\_order number(10), constraint order\_pk primary key(Id\_user,User\_name) ) ;

insert into order\_

values(1,'RK',1)

insert into order\_

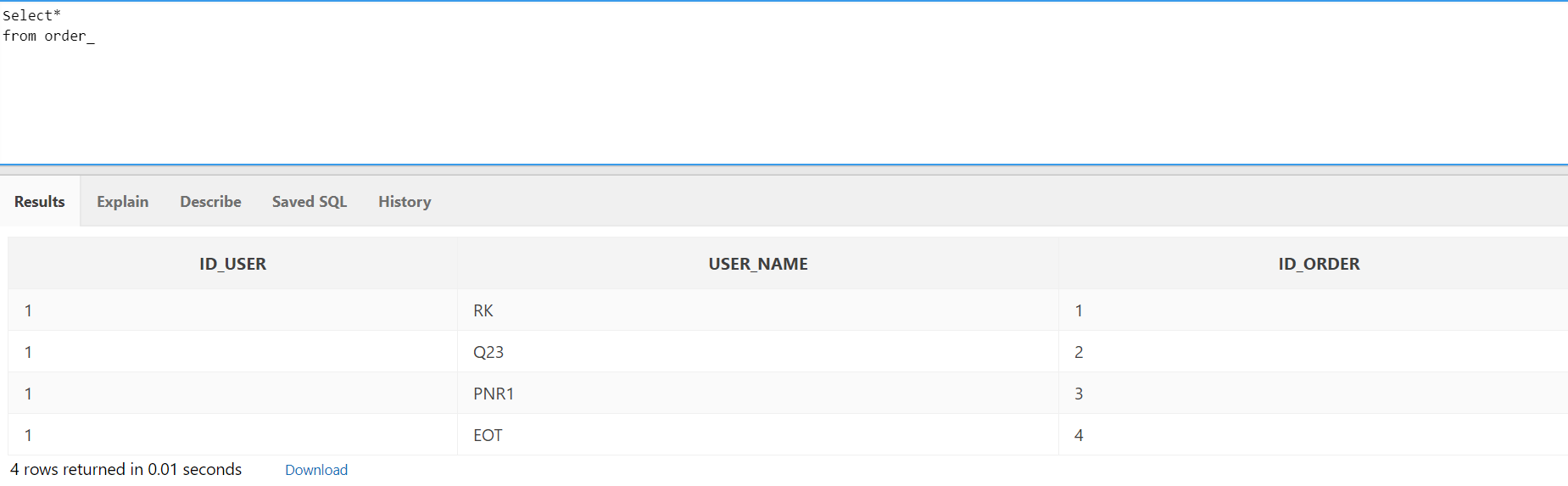
values(1,'Q23',2)

insert into order\_

values(1,'PNR1',3)

insert into order\_

values(1,' EOT ',4)



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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));

insert into get\_advice

values(1,'EOT ')

insert into get\_advice

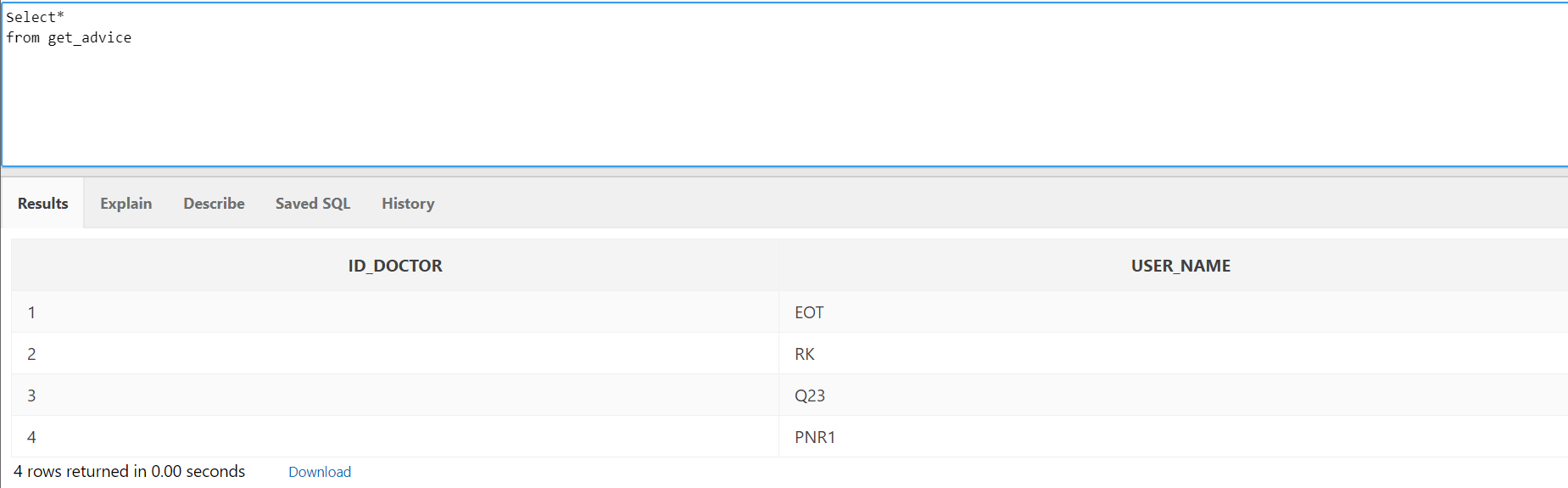
values(2,' RK ')

insert into get\_advice

values(3,' Q23')

insert into get\_advice

values(4,'PNR1')



**Update & Query:**

update delivery\_person

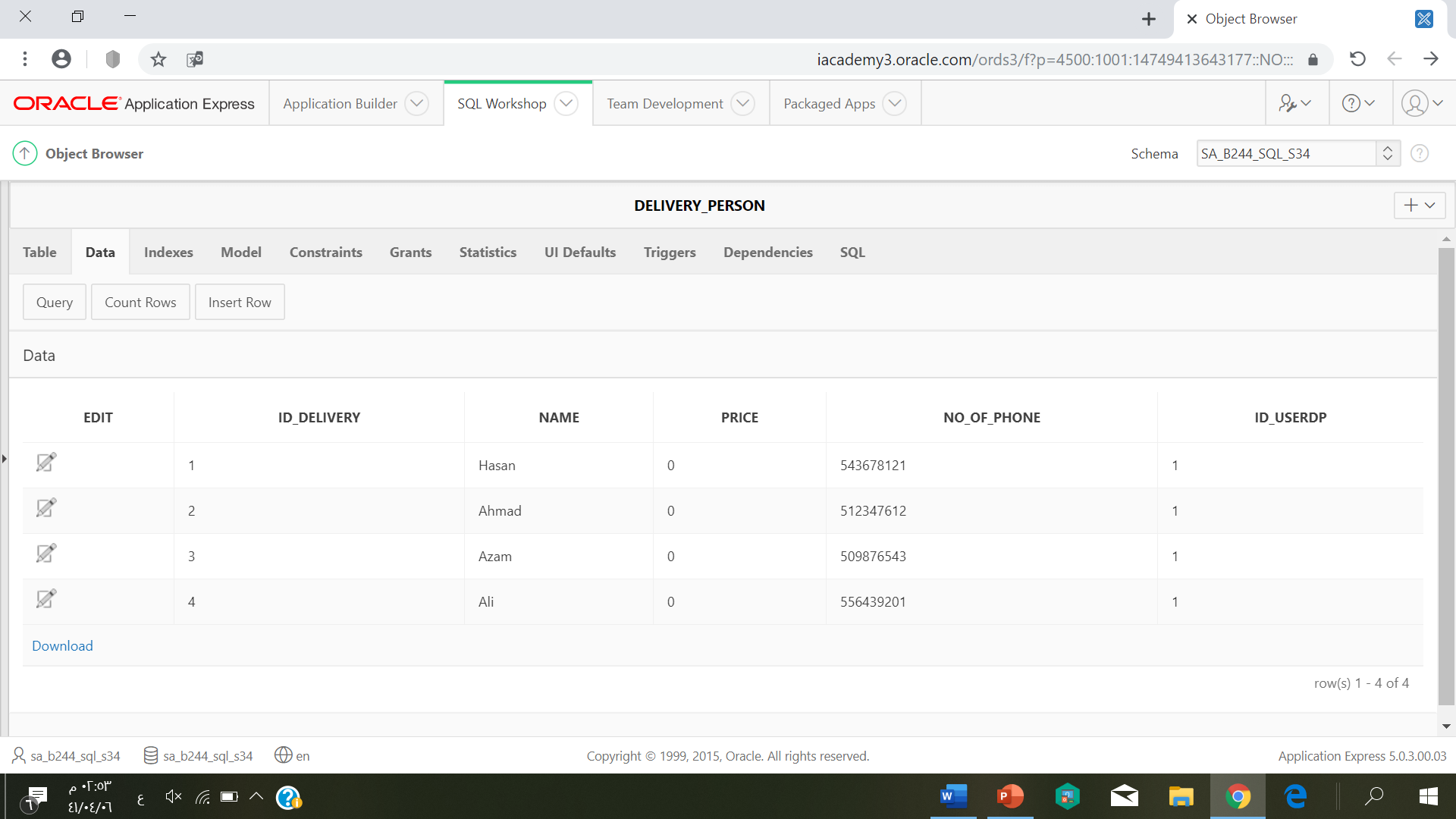
set price =20

where name ='Azam';

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update delivery\_person

set price =0



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Select\*

From pharmacy

Where bill <300;

