

# Queries: Pharmacy Management System

## CREATE DATABASE:

- CREATE DATABASE pharmacy;

## CREATE TABLES:

1. CREATE TABLE **provide\_company** (  
    company\_name VARCHAR(70) PRIMARY KEY NOT NULL,  
    phone INT,  
    address VARCHAR(150)  
);
2. CREATE TABLE **categores** (  
    cat\_id INT PRIMARY KEY NOT NULL,  
    categores\_name VARCHAR(60),  
    number\_of\_item INT  
);
3. CREATE TABLE **item** (  
    item\_name VARCHAR(80),  
    par\_code INT NOT NULL,  
    quantity INT,  
    discription VARCHAR(700),

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sale_price REAL,  
origen_price REAL,  
provide_company_name VARCHAR(70),  
cat_id INT,  
exp_date DATE,  
PRIMARY KEY (par_code , provide_company_name , cat_id),  
FOREIGN KEY (provide_company_name)  
REFERENCES provide_company (company_name)  
ON DELETE CASCADE ON UPDATE CASCADE,  
FOREIGN KEY (cat_id)  
REFERENCES categorias (cat_id)  
ON DELETE CASCADE ON UPDATE CASCADE  
);
```

4. CREATE TABLE **employee** (  
id SERIAL PRIMARY KEY,  
employee\_name VARCHAR(60),  
birthday DATE,  
date\_of\_employment DATE,  
emp\_password VARCHAR(30) );
5. CREATE TABLE **hourly\_employee** (  
id INT PRIMARY KEY,  
work\_hours REAL,  
hour\_price REAL,

FOREIGN KEY (id) REFERENCES employee (id) ON DELETE CASCADE ON UPDATE CASCADE);

6. CREATE TABLE **contract\_employee** (

id INT PRIMARY KEY,

amount\_paid REAL,

FOREIGN KEY (id) REFERENCES employee (id) ON DELETE CASCADE ON UPDATE CASCADE);

7. CREATE TABLE **orders** (

order\_id SERIAL PRIMARY KEY,

id INT,

FOREIGN KEY (id) REFERENCES employee (id) ON DELETE NO ACTION ON UPDATE CASCADE );

8. CREATE TABLE **cashOrder** (

order\_id INT PRIMARY KEY,

order\_date DATE,

FOREIGN KEY (order\_id) REFERENCES orders (order\_id) ON DELETE CASCADE ON UPDATE CASCADE );

9. CREATE TABLE **inshurance\_company** ( inshurance\_companyName

VARCHAR(32) PRIMARY KEY, inshurance\_companyDiscount INT,

numberOfCustomer INT DEFAULT 0 );

10. CREATE TABLE **inshurance** ( coustumerID INT PRIMARY KEY, coustumerName

VARCHAR(32), inshurance\_companyName VARCHAR(32) NOT NULL,

FOREIGN KEY (inshurance\_companyName),REFERENCES inshurance\_company  
(inshurance\_companyName) ON DELETE CASCADE ON UPDATE CASCADE );

11.CREATE TABLE **inshuranceOrder** ( coustumer\_inshurance\_id INT NOT NULL,  
order\_date DATE, order\_id INT, PRIMARY KEY (coustumer\_inshurance\_id ,  
order\_id),

FOREIGN KEY (coustumer\_inshurance\_id) REFERENCES inshurance (coustumerID)  
ON DELETE NO ACTION ON

UPDATE CASCADE, FOREIGN KEY (order\_id) REFERENCES orders (order\_id) ON  
DELETE CASCADE ON UPDATE CASCADE );

12.CREATE TABLE **bill** ( order\_id INT PRIMARY KEY NOT NULL, order\_date DATE,  
full\_price REAL, profits, REAL, bill\_type VARCHAR(32), emp\_id INT,

FOREIGN KEY (emp\_id) REFERENCES employee (id) ON DELETE NO ACTION ON  
UPDATE CASCADE,

FOREIGN KEY (order\_id) REFERENCES orders (order\_id) ON DELETE NO ACTION ON  
UPDATE CASCADE );

13.CREATE TABLE **invoice** ( quantity INT, full\_sale\_price REAL, full\_original\_price  
REAL, par\_code INT NOT NULL, provide\_company\_name VARCHAR(70) NOT  
NULL, cat\_id INT NOT NULL, order\_id INT,

PRIMARY KEY (par\_code, provide\_company\_name, cat\_id, order\_id),

FOREIGN KEY (par\_code, provide\_company\_name, cat\_id) REFERENCES item  
(par\_code, provide\_company\_name, cat\_id)

ON DELETE NO ACTION ON UPDATE CASCADE, FOREIGN KEY (order\_id)  
REFERENCES orders (order\_id) ON DELETE NO ACTION ON UPDATE CASCADE );

## INSERT VALUES INTO THE TABLES:

1. INSERT into **provide\_company** (company\_name, phone , address)  
VALUES  
( 'AL\_Quds', 022406550, 'Nablus Street - Al Baloua - Al-Bireh - Ramallah'),  
( 'Birzeit',022987572,'Shatilla Street - Ramallah / Palestine'),  
( 'Beit\_Jalla',022890447,'Beit\_Jalla - hadera street'),  
( 'Al\_Sharqea',022812586,'Al\_Bera - Ramallah / Palestine'),  
( 'Jama', 022746892,'Betonea - Ramallah / Palestine'),  
( 'Dar\_Alshefa', 022478916, 'Betonea - Ramallah / Palestine');
2. INSERT INTO **categores** (cat\_id, categores\_name, number\_of\_item)  
VALUES  
(110, 'sedatives', 3),  
(120, 'heart medications', 3),  
(113, 'antibacterial drugs', 2),  
(096, 'Mycobacterial drugs', 2),  
(118, 'monocytes drugs', 1),  
(240, 'deworming drugs', 2),  
(201, 'antiviral drugs', 1),  
(047, 'cancer drugs', 2),  
(014, 'breakfast medicines', 0);
3. INSERT INTO **employee** (id, employee\_name, birthday, date\_of\_employment, emp\_password)  
VALUES

```
(3, 'Ahlam Eldeen Asfour', '1992-01-15', '2018-05-16', 'root'),
(4, 'Mera Ahmad Shekh', '1997-08-26', '2020-08-14', 'root1'),
(6, 'Ahmad Said Ammar', '1995-04-21', '2021-08-14', 'root2'),
(7, 'Lama Naser Hammad', '1990-05-26', '2019-01-30', 'root3'),
(10, 'Malak Raed Hannon', '1980-08-26', '2012-12-14', 'root4'),
(2, 'Manal Awwad Salem', '1992-07-04', '2018-01-25', 'root5'),
(5, 'Raed Mohammad Ayman', '1995-08-26', '2020-08-14', 'root6'),
(8, 'Ibrahim Ahmad Asfour', '1989-12-26', '2015-02-14', 'root7'),
(9, 'Ahmad Malik Alwan', '1991-08-26', '2018-07-14', 'root8');
```

4. INSERT into **hourly\_employee** (id , work\_hours, hour\_price )  
VALUES  
(3,8,15),(4,5,18),(6,8,17),(7,4,11),(10,10,22);

5. INSERT into **contract\_employee** (id , amount\_paid )  
VALUES  
(2,4800),(5,3700),(8,2850),(9,3210);

6. INSERT into **item** ( item\_name, par\_code, quantity, discription, sale\_price,  
origen\_price, provide\_company\_name, cat\_id, exp\_date)  
VALUES  
( 'Acamol',114,15,'Antipyretic and analgesic for pain accompanied by  
insomnia',25,15,'AL\_Quds',110, '2022-04-15'),  
( 'acebutolol',115,27,'Beta blockers reduce the heart rate and reduce  
irregularity',34,22,'Birzeit',120, '2022-03-25'),

('Dabigatran',116,40,'used to prevent strokes in those with atrial fibrillation not caused by heart valve issues',40,37,'AL\_Quds',120,'2022-01-17'),

('Edoxaban',117,10,'preventing blood clots in people with nonvalvular atrial fibrillation who also have at least one risk factor',55,51,'Birzeit',120,'2022-6-10'),

('Bendamustine (Levact)',118,22,'chemotherapy medication used in the treatment of chronic lymphocytic leukemia (CLL)',41,35,'AL\_Quds',47,'2022-12-12'),

('Bevacizumab (Avastin)',119,5,'used for Colorectal cancer, Lung cancer, Breast cancer, Renal cancers, Brain cancers, Eye disease, Ovarian cancer, Cervical cancer and Administration',90,80,'Birzeit',47,'2023-07-11'),

('rifampin',120,50,'used for the treatment of tuberculosis in combination with other antibiotics, such as pyrazinamide, isoniazid, and ethambutol',64,52,'AL\_Quds',96,'2024-09-10'),

('Isoniazid (INH)',121,71,'Bactericidal • primary drug for LTBI and a primary drug for use in combinations',9,5,'Birzeit',96,'2024-02-01'),

('diazepam (Valium)',122,10,'used to treat anxiety, insomnia, panic attacks and symptoms of acute alcohol withdrawal',62,54,'Birzeit',110,'2023-07-02'),

('alprazolam (Xanax)',123,32,'used to treat panic disorders and generalized anxiety',14,10,'Birzeit',110,'2024-11-15'),

('amoxicillin',124,6,'used to treat the symptoms of many different types of bacterial infections',36,24,'Birzeit',113,'2022-04-17'),

('doxycycline',125,124,'indicated for treatment of infections caused by the following microorganisms',47,35,'Birzeit',113,'2024-12-04'),

('Infliximab',126,65,'used to treat the symptoms of Rheumatoid Arthritis, Psoriatic Arthritis, Plaque Psoriasis, Chron Disease, Ulcerative Colitis and Ankylosing Spondylitis',27,20,'Birzeit',118,'2022-08-21'),

('Penciclovir',127,24,'used for the treatment of various herpes simplex virus (HSV) infections',33,24,'AL\_Quds',201,'2023-04-30'),

('Peramivir',128,27,'treatment of acute uncomplicated influenza in adults',63,45,'Birzeit',201,'2024-01-26'),

('Levamisole',129,54,'used to treat helminth infections and some skin infections',30,21,'AL\_Quds',240,'2023-07-14'),

('Niclosamide',130,12,'used to treat parasitic infections in millions of people worldwide',60,54,'AL\_Quds',240, '2022-02-23');

7. INSERT into **inshurance\_company** (inshurance\_companyname, inshurance\_companydiscount, numberofcustomer)

VALUES

('Birzeit Univesity',10,2),('Bank of Palestine',15,2),('islamic Bank',20,1);

8. INSERT into **inshurance** ( CoustumerID, coustumerName, inshurance\_companyName)

VALUES

(5956,'Dr.Diaeddin Rimawi','Birzeit Univesity'),

(1190985,'Ibrahim Asfour','Birzeit Univesity'),

(1190999,'Eyab Ghifari','Bank of Palestine'),

(1181192,'Mohamad Alwan','Bank of Palestine'),

(1191375,'Islam Jihad','islamic Bank');



## DISPLAY THE TABLES:

- `select * from bill;`
- `select * from cashorder;`
- `select * from categories;`
- `select * from contract_employee;`
- `select * from employee;`
- `select * from hourly_employee;`
- `select * from insurance;`
- `select * from insurance_company;`
- `select * from insuranceorder;`
- `select * from invoice;`
- `select * from item;`
- `select * from orders;`
- `select * from provide_company;`