

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),
sale_price REAL,

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    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
);

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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;`