-- 1. Create Account table

CREATE TABLE Account (

username VARCHAR(50) PRIMARY KEY,

password VARCHAR(32) NOT NULL,

fullname VARCHAR(100) NOT NULL,

gender VARCHAR(6) NOT NULL,

birthday DATE NOT NULL,

department VARCHAR(100) NOT NULL

);

-- 2. Create Product table

CREATE TABLE Product (

pro\_id VARCHAR(50) PRIMARY KEY,

pro\_name VARCHAR(100) NOT NULL,

pro\_quan INT NOT NULL,

pro\_price BIGINT NOT NULL, -- Use BIGINT for "long" in SQL Server

pro\_des VARCHAR(1000) NOT NULL

);

-- 3. Create Order table

CREATE TABLE [Order] ( -- "Order" is a reserved keyword, so use square brackets

order\_id VARCHAR(20) PRIMARY KEY,

username VARCHAR(50) NOT NULL,

order\_total INT NOT NULL,

order\_date DATE NOT NULL,

order\_des VARCHAR(1000) NOT NULL,

FOREIGN KEY (username) REFERENCES Account(username) -- Establish relationship );

insert  
  
  
INSERT INTO Account (username, password, fullname, gender, birthday, department)

VALUES

('user1', '202cb962ac59075b964b07152d234b70', 'John Smith', 'Male', '1995-01-01', 'IT'),

('user2', '21232f297a57a5a743894a0e4a801fc3', 'Alice Brown', 'Female', '1998-03-15', 'HR'),

('user3', '81dc9bdb52d04dc20036dbd8313ed055', 'David Lee', 'Male', '1993-07-10', 'Finance'),

('user4', 'e99a18c428cb38d5f260853678922e03', 'Emma White', 'Female', '2000-12-25', 'Marketing'),

('user5', '5f4dcc3b5aa765d61d8327deb882cf99', 'Tom Green', 'Male', '1992-05-20', 'Sales');

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INSERT INTO Account (username, password, fullname, gender, birthday, department)

VALUES (

'user6',

CONVERT(VARCHAR(32), HASHBYTES('MD5', 'mypassword'), 2),

'Jane Doe',

'Female',

'1990-01-01',

'Admin'

);

CREATE TABLE major (

major\_id INT PRIMARY KEY,

name NVARCHAR(255) NOT NULL

);

INSERT INTO major (major\_id, name)

VALUES (1, 'Software Engineer'),

(2, 'Graphic Design');

CREATE TABLE student (

roll\_id NVARCHAR(255) PRIMARY KEY,

first\_name NVARCHAR(255) NOT NULL,

last\_name NVARCHAR(255) NOT NULL,

gender INT NOT NULL,

password NVARCHAR(255) NOT NULL,

math FLOAT(24) NOT NULL,

english FLOAT(24) NOT NULL,

major\_id INT NOT NULL FOREIGN KEY REFERENCES major(major\_id)

);