**Assignment 4**

* **Creating tables**

1. Employees

CREATE TABLE Employees (

employee\_id SMALLINT PRIMARY KEY,

last\_name VARCHAR(20) NOT NULL,

first\_name VARCHAR(10) NOT NULL,

title VARCHAR(30),

title\_of\_courtesy VARCHAR(25),

birth\_date DATE,

hire\_date DATE,

address VARCHAR(60),

city VARCHAR(15),

region VARCHAR(15),

postal\_code VARCHAR(10),

country VARCHAR(15),

home\_phone VARCHAR(24),

extension VARCHAR(4),

photo VARBINARY,

notes TEXT,

reports\_to SMALLINT,

photo\_path VARCHAR(255),

FOREIGN KEY (reports\_to) REFERENCES Employees

);

1. Shippers

CREATE TABLE Shippers (

shipper\_id SMALLINT PRIMARY KEY,

company\_name VARCHAR(40) NOT NULL,

phone VARCHAR(24)

);

1. Customers

CREATE TABLE Customers (

customer\_id CHAR(5) PRIMARY KEY,

company\_name VARCHAR(40) NOT NULL,

contact\_name VARCHAR(30),

contact\_title VARCHAR(30),

address VARCHAR(60),

city VARCHAR(15),

region VARCHAR(15),

postal\_code VARCHAR(10),

country VARCHAR(15),

phone VARCHAR(24),

fax VARCHAR(24)

);

1. Orders

CREATE TABLE Orders (

order\_id SMALLINT PRIMARY KEY,

customer\_id CHAR(5),

employee\_id SMALLINT,

order\_date DATE,

required\_date DATE,

shipped\_date DATE,

ship\_via SMALLINT,

freight REAL,

ship\_name VARCHAR(40),

ship\_address VARCHAR(60),

ship\_city VARCHAR(15),

ship\_region VARCHAR(15),

ship\_postal\_code VARCHAR(10),

ship\_country VARCHAR(15),

FOREIGN KEY (customer\_id) REFERENCES Customers,

FOREIGN KEY (employee\_id) REFERENCES Employees,

FOREIGN KEY (ship\_via) REFERENCES Shippers

);

* **Queries**

1)