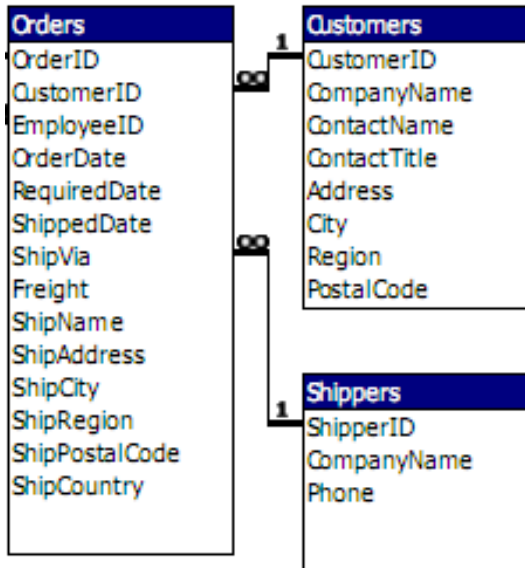


# CS 341 Database Systems - Quiz 02 – DB1

Name		ERP	
Date		Total Marks	/20

Consider the relational schema provided and attempt the following questions.



1. Write an **SQL** query for the following: The company delivers orders via different shippers. There are some shippers with whom the company signed the contract, but they have not fulfilled any orders. Output all details of the Orders with the company names of the Shippers. The output should also show shippers that have not been assigned to any order. [3]
2. Write an **SQL** query to output the number of orders for each customer i.e. Customer contact name. [3]
3. Write **relational algebraic** query to list all distinct regions where either some customers live or some orders were delivered.[3]
4. Write **relational algebraic** query to output all information of orders with freight charges over 1000 along with the corresponding customer details. Output OrderID, OrderDate, Freight and Customer's Contact Name.[3]

1.

2.

3.

4.

5. Write DDL commands for the following schema with constraints as necessary. You should keep in mind the order of execution of these statements. You are provided with the data types. [8]

**Order** (OrderID: integer, OrderDate: date, Category: varchar(20))

**OrderDetails** (OrderID: integer, ProductID: integer, Quantity: integer)

**Product** (ProductID: integer, Name: varchar2(50), UnitPrice: number(3,2))

- Orderquantity always greater or equal to one.
- Product Names are unique.
- OrderDate must not be left empty.