**Part 1 – Two Data Diagrams**

**Part 2 -**

1. **Sales Orders Database relationship of tables in words. Be sure to describe both directions of each link.**
2. **Table: Employee**

Primary Key: Employee\_ID

Composite Keys:

Foreign Keys:

**Table: Certified**

Primary Key:

Composite Keys: Employee\_ID, Skill\_ID

Foreign Keys:

**Table: Skill**

Primary Key: Skill\_ID

Composite Keys:

Foreign Keys:

1. **Put into words the relationship of the tables from question # 2.**

There is a linking table between Skills and Employees. Each employee can have a single skill or multiple skills. It resolves a many-to-many relationship because there are multiple employees with differing degree of skills. The “Certified” table rectifys the many-to-many by displaying the Employee ID, and the Skill ID as a Composite Key, and give descriptions of each skill and date acquired.

1. **Table: Course**

Primary Key: CRS\_CODE

Composite Keys:

Foreign Keys:

**Table: Class**

Primary Key:

Composite Keys:

Foreign Keys:

1. **Table: Student**

Primary Key:

Composite Keys:

Foreign Keys:

**Table: Enroll**

Primary Key:

Composite Keys:

Foreign Keys:

**Table: Class**

Primary Key:

Composite Keys:

Foreign Keys:

1. **Table: Customer**

Primary Key:

Composite Keys:

Foreign Keys:

**Table: Invoice\_Header**

Primary Key:

Composite Keys:

Foreign Keys:

**Table: Invoice\_Detail**

Primary Key:

Composite Keys:

Foreign Keys:

**Table: Products**

Primary Key:

Composite Keys:

Foreign Keys:

1. **Table: Pilots**

Primary Key:

Composite Keys:

Foreign Keys:

**Table: Pilot\_Certifications**

Primary Key:

Composite Keys:

Foreign Keys:

**Table: Certifications**

Primary Key:

Composite Keys:

Foreign Keys:

1. **Put into words the relationship of the tables from question # 7.**
2. **Table: Employee**

Primary Key:

Composite Keys:

Foreign Keys:

**Table: Department**

Primary Key:

Composite Keys:

Foreign Keys:

**Table: Department\_Employees**

Primary Key:

Composite Keys:

Foreign Keys:

1. **Put into words the relationship of the tables from question # 9.**