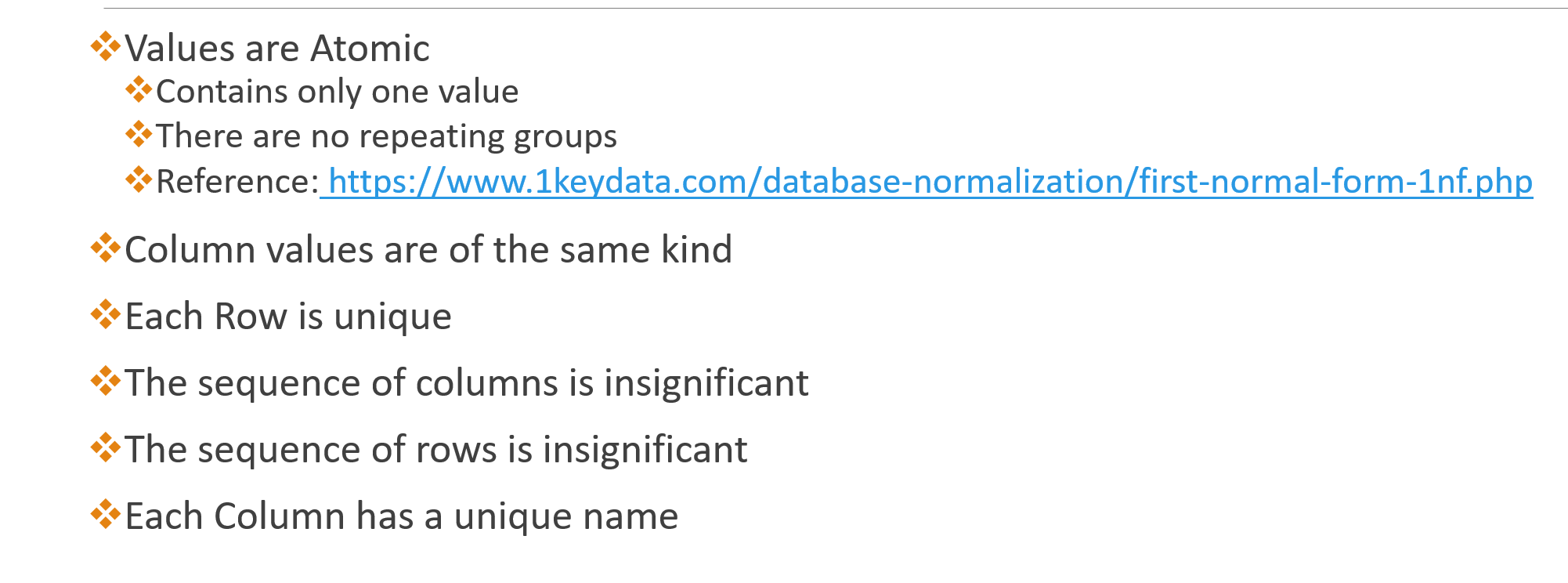
**ITEC 3200- Relational Database Concepts**

You will work with another student to complete this assignment. Please list the name of the student you worked with. Each student will upload a copy of the assignment to d2l and this will account towards the class assignment grade. Please ensure to save a copy of the assignment for your reference and preparation for the quiz. After you complete the assignment, we will discuss answers in class. All students need to upload the completed assignment prior to the end of class time to obtain class assignment points.

Student Name:

Student Name

1. Refer to the following characteristics of a Relation



Examine the table below and identify if this is a relation. Find 3 specific reasons based on the characteristics of a relation from this table to support your answer. Be specific in your responses and refer to the data.

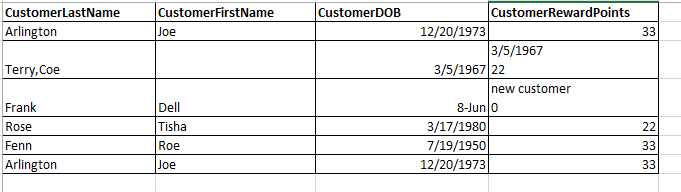


Table shown exibhits properties of relational table (Yes or No):

|  |
| --- |
| Reason1: |
| Reason2: |
| Reason3: |

1. Identify the Candidate, Composite and Primary keys listed below for the relation shown below. From the Candidate keys, identify which one you would pick as a primary key. Ensure to answer based on the assumptions.

EMPLOYEE (Employee ID, LicenseNumber, EmployeeLastName, EmployeeTaxID, EmployeeDepartment, EmployeeExtensionNumber)

Assumption/Business Rule: *There are no employees who have the same last name and same extension number in a specific department.*

1. Identify the Candidate, Composite and Primary keys listed below for the relation shown below. From the Candidate keys, identify which one you would pick as a primary key. Ensure to answer based on the assumptions.

TEXTBOOK (ISBN, Title, Year, Edition, PublisherID)

Assumption/Business Rule: (A textbook is published by one publisher only. A publisher can publish many books but will not publish two different books with the same title. Every book has a unique ISBN number)

Candidate Keys:

Composite Keys:

Primary Key: