# Class Exercise – 3.1

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**Clemson/Assignment ID: 3StoreCo**
**Submission**: Save this Word document with your answers as a PDF file and upload the PDF file to Canvas.

## StoreCo Database Tables
**Use the database shown to answer the following questions**

**Table name: EMPLOYEE**    Database name: Ch03_StoreCo

| EMP_CODE | EMP_TITLE | EMP_LNAME | EMP_FNAME | EMP_INITIAL | EMP_DOB | STORE_CODE |
|---|---|---|---|---|---|---|
| 1 | Mr. | Williamson | John | W | 21-May-64 | 3 |
| 2 | Ms. | Ratula | Nancy | | 09-Feb-69 | 2 |
| 3 | Ms. | Greenboro | Lottie | R | 02-Oct-61 | 4 |
| 4 | Mrs. | Rumpersfro | Jennie | S | 01-Jun-71 | 5 |
| 5 | Mr. | Smith | Robert | L | 23-Nov-59 | 3 |
| 6 | Mr. | Renselaer | Cary | A | 25-Dec-65 | 1 |
| 7 | Mr. | Ogallo | Roberto | S | 31-Jul-62 | 3 |
| 8 | Ms. | Johnsson | Elizabeth | I | 10-Sep-68 | 1 |
| 9 | Mr. | Eindsmar | Jack | W | 19-Apr-55 | 2 |
| 10 | Mrs. | Jones | Rose | R | 06-Mar-66 | 4 |
| 11 | Mr. | Broderick | Tom | | 21-Oct-72 | 3 |
| 12 | Mr. | Washington | Alan | Y | 08-Sep-74 | 2 |
| 13 | Mr. | Smith | Peter | N | 25-Aug-64 | 3 |
| 14 | Ms. | Smith | Sherry | H | 25-May-66 | 4 |
| 15 | Mr. | Olenko | Howard | U | 24-May-64 | 5 |
| 16 | Mr. | Archialo | Barry | V | 03-Sep-60 | 5 |
| 17 | Ms. | Grimaldo | Jeanine | K | 12-Nov-70 | 4 |
| 18 | Mr. | Rosenberg | Andrew | D | 24-Jan-71 | 4 |
| 19 | Mr. | Rosten | Peter | F | 03-Oct-68 | 4 |
| 20 | Mr. | Mckee | Robert | S | 06-Mar-70 | 1 |
| 21 | Ms. | Baumann | Jennifer | A | 11-Dec-74 | 3 |

**Table name: STORE**

| STORE_CODE | STORE_NAME | STORE_YTD_SALES | REGION_CODE | EMP_CODE |
|---|---|---|---|---|
| 1 | Access Junction | 1003455.76 | 2 | 8 |
| 2 | Database Corner | 1421987.39 | 2 | 12 |
| 3 | Tuple Charge | 986783.22 | 1 | 7 |
| 4 | Attribute Alley | 944568.56 | 2 | 3 |
| 5 | Primary Key Point | 2930098.45 | 1 | 15 |

**Table name: REGION**

| REGION_CODE | REGION_DESCRIPT |
|---|---|
| 1 | East |
| 2 | West |

1.  **For each table, identify the primary key and the foreign key(s). If a table does not have a foreign key, write *None* in the space provided.**

- EMPLOYEE:
    - o   Primary key: EMP_CODE
    - o   Foreign key: STORE_CODE
- STORE
    - o   Primary key: STORE_CODE
    - o   Foreign key: EMP_CODE and REGION_CODE
- REGION
    - o   Primary key: REGION_CODE
    - o   Foreign Key: none

2.  **Do the tables exhibit entity integrity? Answer yes or no and then explain your answer.**

The tables exhibit entity integrity because the primary keys and therefore rows are unique. There are also no nulls.

3.  **Do the tables exhibit referential integrity? Answer yes or no and then explain your answer. Write *NA* (Not Applicable) if the table does not have a foreign key.**

The EMPLOYEE and STORE tables exhibit referential integrity because the foreign keys in each table act as a primary key in the tables they reference, and the values are existing for the keys in the tables they point to. Referential integrity is not applicable to the REGION table.

4.  **Describe the type(s) of relationship(s) between STORE and REGION.**

M:1. There are many STORES in 1 REGION. (or 1:M for 1 region to many stores).