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=====CIS 310 ASSIGNMENT 2=====

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STUDENT ID: 5491133

SUBMISSION DATE:

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1. For the database shown below, answer the following 3 questions: (10 pts)

Table name: EMPLOYEE

Database name: Ch03_StoreCo

EMP_CODE	EMP_TITLE	EMP_LNAME	EMP_FNAME	EMP_INITIAL	EMP_DOB	STORE_CODE
1	Mr.	vWilliamson	John	vV	21-May-84	3
2	Ms.	Ratula	Nancy		09-Feb-89	2
3	Ms.	Greenboro	Lottie	R	02-Oct-81	4
4	Mrs.	Rumpersfro	Jennie	S	01-Jun-91	5
5	Mr.	Smith	Robert	L	23-Nov-79	3
6	Mr.	Renselaer	Cary	A	25-Dec-85	1
7	Mr.	Ogallo	Roberto	S	31-Jul-82	3
8	Ms.	Johnsson	Elizabeth	I	10-Sep-88	1
9	Mr.	Eindsmar	Jack	vV	19-Apr-75	2
10	Mrs.	Jones	Rose	R	06-Mar-86	4
11	Mr.	Broderick	Tom		21-Oct-92	3
12	Mr.	vWashington	Alan	Y	08-Sep-94	2
13	Mr.	Smith	Peter	N	25-Aug-84	3
14	Ms.	Smith	Sherry	H	25-May-86	4
15	Mr.	Olenko	Howard	U	24-May-84	5
16	Mr.	Archialo	Barry	V	03-Sep-80	5
17	Ms.	Grimaldo	Jeanine	K	12-Nov-90	4
18	Mr.	Rosenberg	Andrew	D	24-Jan-91	4
19	Mr.	Rosten	Peter	F	03-Oct-88	4
20	Mr.	Mckee	Robert	S	06-Mar-90	1
21	Ms.	Baumann	Jennifer	A	11-Dec-94	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	vWest

- A. For each table, identify the primary key and the foreign key(s) by filling in below table. If a table does not have a foreign key, write *None*.

TABLE	Primary Key	Foreign Key(s)
EMPLOYEE	EMP_CODE	STORE_CODE
STORE	STORE_CODE	REGION_COD

		E AND EMP_CODE
REGION	REGION_CODE	NONE

- B. Do the tables exhibit entity integrity? Answer yes or no, and then explain your answer by filling out below table.

TABLE	Entity Integrity	Explanation
EMPLOYEE	Yes	This table contains a unique value in the primary key column
STORE	Yes	contains a unique value in the primary key column
REGION	Yes	contains a unique value in the primary key column

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

TABLE	Referential Integrity	Explanation
EMPLOYEE	yes	It has a foreign key that reference another primary key
STORE	yes	It has a foreign key that reference another primary key
REGION	NA	NA

- **2.** Write the business rules for the relationships you identify in Figure from **Question 1.** (10 pts)
 - --*Hint, there can be more than 1 relationship between 2 entities. Take a closer look at Employee and Store.
 - Employee work one and only one store
 - Store consist of one or more employees working inside of it
 - A single employee can manage zero or one store
 - Store have one and only one employee for a manager position
 - A store can only be located in one region
 - A region has one or more stores
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- **3:** Create a full ERD using MS Visio for the database in **Question 1.** All required elements as covered in class must be included for full credit. Other tools such as hand drawn will receive partial credit. (10 pts)

