

Questions and Answers:

- Use the database shown in the figure below 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	vW	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.	Ogallio	Roberto	S	31-Jul-82	3
8	Ms.	Johnsson	Elizabeth	I	10-Sep-88	1
9	Mr.	Eindsmar	Jack	vW	19-Apr-75	2
10	Mrs.	Jones	Rose	R	06-Mar-86	4
11	Mr.	Broderick	Tom		21-Oct-92	3
12	Mr.	Washington	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_DESCRPT
1	East
2	West

Region

- For each table, identify the primary keys and foreign keys. Write “None” or “NA” when there’s no foreign keys.

Answer here:

Table	Primary Key	Foreign Key(s)
EMPLOYEE	Emp_Code	Store_Code
STORE	Store_Code	Region_Code, EMP_Code
REGION	Region_Code	None/NA

Primary key (PK): an attribute/column (or combination of attributes) that uniquely identifies any given row in the table; like the first columns

Foreign key: attribute/column that is the primary key of another table

FK = PK in another table (look for same name both tables)

- b. Explain entity integrity. Do the tables exhibit entity integrity?

Answer here:

Entity integrity means _ PK Values must be unique and not NULL (null = not having value)___

Table	Entity Integrity (Yes/No)
EMPLOYEE	YES
STORE	YES
REGION	YES

- c. Explain referential integrity. Do the tables exhibit referential integrity? Write “None” or “NA” when there’s no foreign keys.

Answer here:

Referential integrity means _FK values must match corresponding PK values___

Table	Referential Integrity (Yes/No)
EMPLOYEE	YES
STORE	YES
REGION	N/A cause no FK

- d. Describe the relationship between STORE and REGION. The description should include numbers to each table. For example, one CUSTOMER has many ORDERS.

Answer here:

Each/many store(s) belongs to one region, many to one; one region has many stores or one to many relationship

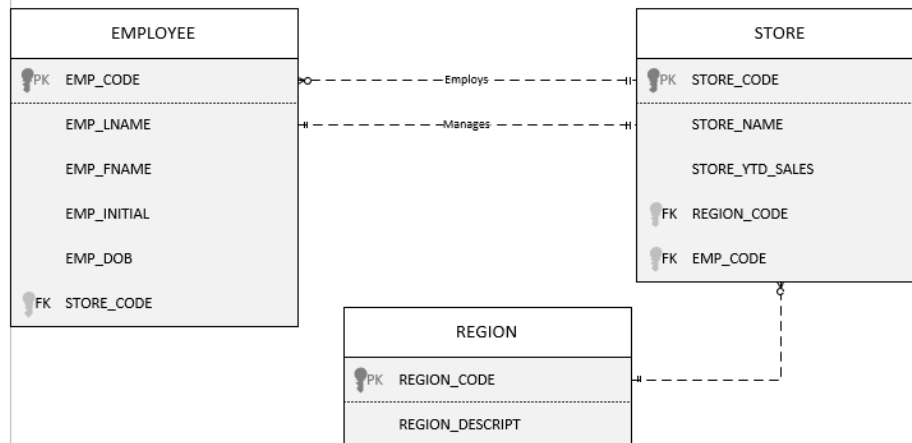
- e. Describe the relationship between EMPLOYEE and STORE. The description should include numbers to each table. For example, one CUSTOMER has many ORDERS.

Answer here:

Each employee works one store and One store employs many employees, One store has many employees or one to many relationship; One STORE has ONE employee/manager

f. Create the data model for these tables and relationships.

Paste Your Answer Diagram Here:



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