Questions and Answers:

1. 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	W	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	W	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_DESCRIPT
1	East
2	West

Region

a. 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: