BOOTCAMP DAVID

Enterprise Software Development & Training

Programme	Data Analytics with PostgreSQL, R & Power BI
Course Module	Data Discovery using PostgreSQL
Case Study	Northwind Database https://www.enterprisedb.com/downloads/postgres-postgresql-downloads

Problem Set #1

Examine employees table :

1. What is the total number of employees at Northwind?
2. What percentage of Northwind employees are Sale Reps?
3. What is the gender diversity of employees at Northwind?
4. Who is the most experienced Northwind employee, and why?
5. How many Northwind employees are based in the United States?
6. The majority of Northwind employees are from which region?
7. Extract records of employees located around Microsoft HQ in Redmond and Amazon HQ in Seattle.
8. Extract Name and Initials, Age, Position, Phone No., and Employment Date of Northwind employees.
9. Sort the above records (question 8) in a manner that will provide the most contexts to HR personnel.
10. Which other existing column can be used as a unique identifier for Northwind employees?

Problem Set #2

Examine customers table :

1. Extract Names, Company and Contact Details of Northwind customers.
2. What is the highest recurring Job Title of Northwind customers?
3. Compute the City demographic of Northwind customers.
4. Which Country potentially has the highest orders from Northwind customers?
5. Compute the Phone No. Extension of Northwind customers based in Mexico.
6. How many Northwind customers do not have Fax No.?
7. What additional customer table field/fields will provide the most contexts to a Sales & Marketing unit?
8. Discuss your observations about the Primary Key of the Northwind customers table.