DESIGNING A COMPANY RELATIONAL DATABASE USING SQL

COMPANY DATA REQUIREMENTS.

The company is organized into Division. Each division has a unique number, a name, and a particular staff who heads it.

The company makes its money by selling to Customer. Each Customer has a name and a unique number to identify it.

The foundation of the company is its staffs. Each staff has a name, birthday, sex, salary and a unique number.

A staff can work for one division at a time, and each division will be head by one of the staff that work there, we would also like to keep track of when the current head started as the head.

A staff can act as the supervisor of other staffs, a staff may also act as the Supervisor for staff at another branch. A staff can have at most one supervisor.

A division may handle several customers, with each customer having a name and a unique number to identify it. A single customer may only be handled by one division at a time.

Staffs can work with customers controlled by their division to sell them stuff. If necessary multiple staffs can with the same customer. We will want to keep track of how many dollars’ worth of stuff each staff sells to each customer they work with.

Many divisions will need to work with suppliers to buy inventory. For each supplier we will keep track of their name and the type of product they are selling the division. A single supplier may supply products to multiple divisions.

1. Creating table Staffs Database and Division

The foundation of the company is its STAFFS. Each staff has a name, birthday, sex, salary and a unique number to identify it.

The company is organized into DIVISION. Each division has a unique number, a name, and a particular staff who heads it.

Graphical user interface, text, application, email

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1. Creating tables for Customer, Works and Division Supplier

The company makes its money by selling to Customer. Each Customer has a name and a unique number to identify it.

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1. Using various SQL Functions to insert data into the table.

Text

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Table

Description automatically generated

Table

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1. Using Wildcard in SQL in manipulating table

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1. Using UNION in SQL to manipulate data in table

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1. Using Nested Query to manipulate data.

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