EmployeeSQL Documentation

Link to schema: https://app.quickdatabasediagrams.com/#/d/gHsfjL
DB Schema for the EmployeeSQL project

departments

Table for storing unique department names, with department number as primary key.

Field	Description	Type	Default	Other
dept_no	Primary key. Always starts with 'd' and contains 3 digits afterwards.	varchar(4)		PK
dept_name	Unique department name	varchar(50)		UNIQUE

dept_emp

Table for storing to what department employees belong. One employee can belong to more than one department.

Field	Description	Type	Default	Other
emp_no	Part of the composite key. Employee number, from the employees table	int(5)		PK, FK
dept_no	Part of the composite key. Department number, from the departments table	varchar(4)		PK, FK

dept_manager

Table for storing the managers for each department. One employee can be manager of more than one department, and one department can have more than one manager.

Field	Description	Type	Default	Other
dept_no	Part of the composite key. Department number, from the departments table	varchar(4)		PK, FK
emp_no	Part of the composite key. Employee number, from the employees table	int(5)		PK, FK

employees

Table for storing the basic information of employees. Includes an employee number as primary key.

Field	Description	Type	Default	Other
emp_no	Primary key. Five digit unique code to identify employees	int(5)		PK
emp_title_id	Title id from the titles table, corresponding to the employee's title	varchar(5)		FK
birth_date	Date of birth	dateTime		
first_name	First name	varchar(200)		
last_name	Last name	varchar(200)		

Field	Description	Type	Default	Other
sex	Sex as a single character	varchar(1)		
hire_date	Date that the employee was hired	dateTime		

salaries

Table for storing the salary of each employee

Field	Description	Type	Default	Other
emp_no	Primary key. Employee number from the employees table.	int(5)		PK, FK
salary	The employee's salary	int		

titles

Table for storing all job titles, includes a title id to uniquely identify each title

Field	Description	Type	Default	Other
title_id	Primary key. ID that identifies the job title, it starts with a lowercase letter followed by 4 digits	varchar(5)		PK
title	Unique name for the job title	varchar(50)		UNIQUE