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Data Types

Data types are needed whenever you need to use SQL to manage information. An employee table may be needed when looking up employee information such as, the age of an employee, their address, their salary, etc. Here we will go through the importance of data types for certain fields and whether or not these fields can be nullable.

The employee's employee identification number or eid would best represent an Employee table. The eid will most likely be of the INT data type as we are assuming our employee id numbers have no characters in them. All employees in the system must have an eid so that column would not be nullable. Now we can access all our employees in the database as long as we know their number. Perhaps we have a name field for users that don't know each eid of the top of their heads; this field will be of the VARCHAR data type. Here users can narrow down the results by name. No employee number will be in the system without a name so the name field is not nullable either. One more field that could possibly be in the employee record for the company's purposes would be a spouse field. The spouse field would be a VARCHAR data type however, this field can be nullable since not all employees are required to be married.