

## Diagram Documentation

### Employees

#### Employees Table

contains all company employees

Field	Description	Type	Default	Other
emp_no	employee unique identifier as primary key	INT		PK
birth_date	employee date of birth	DATE		
first_name	employee first name	VARCHAR(45)		INDEX
last_name	employee last name	VARCHAR(60)		INDEX
gender	employee gender designation	VARCHAR(1)		
hire_date	employee date of hire	DATE		

### Departments

#### Departments Table

contains all departments

Field	Description	Type	Default	Other
dept_no	department unique identifier	VARCHAR(4)		PK
dept_name	department name	VARCHAR(60)		

### Dept\_Emp

#### Department and Employee Junction Table

contains the relationship between which department the employee belongs to

Field	Description	Type	Default	Other
emp_no	employee id as a foreign key	INT		FK
dept_no	department id as a foreign key	VARCHAR(4)		FK
from_date	date the employee started working for the department	DATE		
to_date	date the employee no longer worked for the department	DATE		

### Dept\_Manager

#### Department Manager Junction Table

contains the relationship between employee and the department they manage

Field	Description	Type	Default	Other
dept_no	department id as a foreign key	VARCHAR(4)		FK
emp_no	employee id as a foreign key	INT		FK

Field	Description	Type	Default	Other
from_date	date employee started managing the department	DATE		
to_date	date employee stopped managing the department	DATE		

## Salaries

### Employee Salaries Junction Table

contains the relationship between an employee and their salary

Field	Description	Type	Default	Other
emp_no	employee id as a foreign key	INT		FK
salary	salary for the employee id	NUMERIC		
from_date	date employee began receiving this salary	DATE		
to_date	date employee stopped receiving this salary	DATE		

## Titles

### Employee Title Junction Table

contains the relationship between the employee and their title

Field	Description	Type	Default	Other
emp_no	employee id as a foreign key	INT		FK
title	employee title	VARCHAR(255)		
from_date	date employee started using this title	DATE		
to_date	date employee stopped using this title	DATE		