departments

--

dept\_no VARCHAR(10) PK

dept\_name TEXT

dept\_emp

--

dept\_emp\_id PK SERIAL

emp\_no int FK >- employees.emp\_no

dept\_no int FK >- departments.dept\_no

dept\_manager

--

dept\_manager\_id PK SERIAL

dept\_no int FK >- departments.dept\_no

emp\_no int FK >- employees.emp\_no

employees

--

emp\_no int PK

emp\_title\_id VARCHAR(10) FK >- titles.title\_id

birth\_date date

first\_name VARCHAR(50)

last\_name VARCHAR(50)

sex VARCHAR(1)

hire\_date date

salaries

--

emp\_no int FK >- employees.emp\_no

salary money

titles

--

title\_id VARCHAR(10) PK

title VARCHAR(50)

-- Exported from QuickDBD: https://www.quickdatabasediagrams.com/

-- Link to schema: https://app.quickdatabasediagrams.com/#/d/4rVpQS

-- NOTE! If you have used non-SQL datatypes in your design, you will have to change these here.

**CREATE** **TABLE** "departments" (

"dept\_no" **VARCHAR**(10) **NOT** **NULL**,

"dept\_name" TEXT **NOT** **NULL**,

**CONSTRAINT** "pk\_departments" **PRIMARY** **KEY** (

"dept\_no"

)

);

**CREATE** **TABLE** "dept\_emp" (

"dept\_emp\_id" SERIAL **NOT** **NULL**,

"emp\_no" **int** **NOT** **NULL**,

"dept\_no" **VARCHAR**(10) **NOT** **NULL**,

**CONSTRAINT** "pk\_dept\_emp" **PRIMARY** **KEY** (

"dept\_emp\_id"

)

);

**CREATE** **TABLE** "dept\_manager" (

"dept\_manager\_id" SERIAL **NOT** **NULL**,

"dept\_no" **VARCHAR**(10) **NOT** **NULL**,

"emp\_no" **int** **NOT** **NULL**,

**CONSTRAINT** "pk\_dept\_manager" **PRIMARY** **KEY** (

"dept\_manager\_id"

)

);

**CREATE** **TABLE** "employees" (

"emp\_no" **int** **NOT** **NULL**,

"emp\_title\_id" **VARCHAR**(10) **NOT** **NULL**,

"birth\_date" **date** **NOT** **NULL**,

"first\_name" **VARCHAR**(50) **NOT** **NULL**,

"last\_name" **VARCHAR**(50) **NOT** **NULL**,

"sex" **VARCHAR**(1) **NOT** **NULL**,

"hire\_date" **date** **NOT** **NULL**,

**CONSTRAINT** "pk\_employees" **PRIMARY** **KEY** (

"emp\_no"

)

);

**CREATE** **TABLE** "salaries" (

"emp\_no" **int** **NOT** **NULL**,

"salary" money **NOT** **NULL**

);

**CREATE** **TABLE** "titles" (

"title\_id" **VARCHAR**(10) **NOT** **NULL**,

"title" **VARCHAR**(50) **NOT** **NULL**,

**CONSTRAINT** "pk\_titles" **PRIMARY** **KEY** (

"title\_id"

)

);

**ALTER** **TABLE** "dept\_emp" **ADD** **CONSTRAINT** "fk\_dept\_emp\_emp\_no" **FOREIGN** **KEY**("emp\_no")

**REFERENCES** "employees" ("emp\_no");

**ALTER** **TABLE** "dept\_emp" **ADD** **CONSTRAINT** "fk\_dept\_emp\_dept\_no" **FOREIGN** **KEY**("dept\_no")

**REFERENCES** "departments" ("dept\_no");

**ALTER** **TABLE** "dept\_manager" **ADD** **CONSTRAINT** "fk\_dept\_manager\_dept\_no" **FOREIGN** **KEY**("dept\_no")

**REFERENCES** "departments" ("dept\_no");

**ALTER** **TABLE** "dept\_manager" **ADD** **CONSTRAINT** "fk\_dept\_manager\_emp\_no" **FOREIGN** **KEY**("emp\_no")

**REFERENCES** "employees" ("emp\_no");

**ALTER** **TABLE** "employees" **ADD** **CONSTRAINT** "fk\_employees\_emp\_title\_id" **FOREIGN** **KEY**("emp\_title\_id")

**REFERENCES** "titles" ("title\_id");

**ALTER** **TABLE** "salaries" **ADD** **CONSTRAINT** "fk\_salaries\_emp\_no" **FOREIGN** **KEY**("emp\_no")

**REFERENCES** "employees" ("emp\_no");