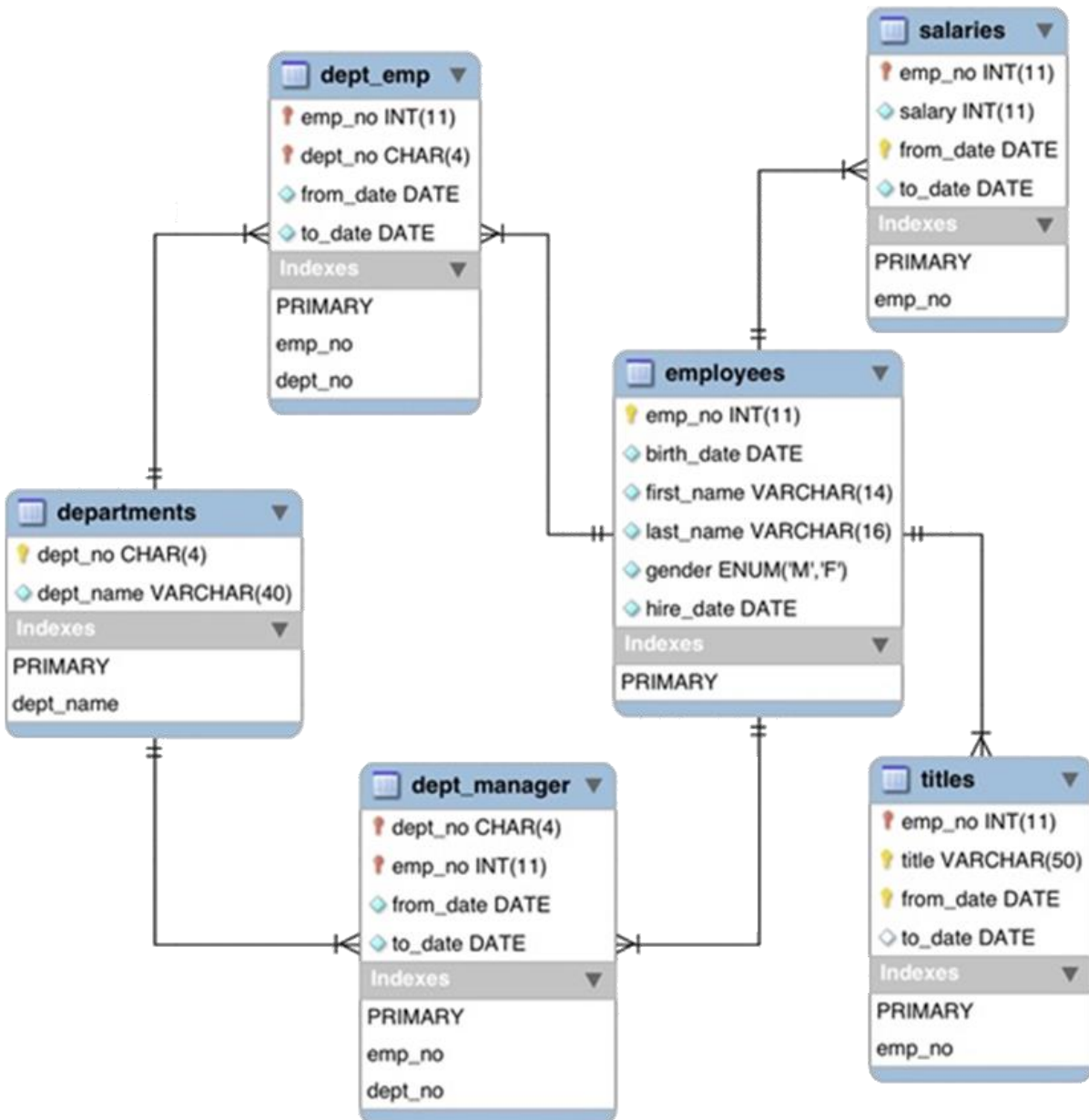


Using SQL Developer create the following schema part of your Oracle database instance:



SOLUTION:

```

CREATE TABLE employees (
    emp_no      INT          NOT NULL,
    birth_date   DATE         NOT NULL,
    first_name   VARCHAR(14)  NOT NULL,
    last_name    VARCHAR(16)  NOT NULL,
    gender       CHAR(1)      NOT NULL,
    hire_date    DATE         NOT NULL,
    CONSTRAINT ck_emp_gender CHECK ( gender IN ('F','M')),
    CONSTRAINT pk_emp PRIMARY KEY (emp_no)
);

CREATE TABLE departments (
    dept_no      CHAR(4)      NOT NULL,
    dept_name    VARCHAR(40)  NOT NULL,
    CONSTRAINT pk_dept PRIMARY KEY (dept_no),
    CONSTRAINT uk_dept UNIQUE (dept_name)
);

CREATE TABLE dept_manager (
    emp_no      INT          NOT NULL,
    dept_no      CHAR(4)      NOT NULL,
    from_date    DATE         NOT NULL,
    to_date      DATE         NOT NULL,
    CONSTRAINT fk_dept_mng_emp FOREIGN KEY (emp_no) REFERENCES employees (emp_no) ON DELETE
    CASCADE,
    CONSTRAINT fk_dept_mng_dept FOREIGN KEY (dept_no) REFERENCES departments (dept_no) ON DELETE
    CASCADE,
    CONSTRAINT pk_dept_mng PRIMARY KEY (emp_no,dept_no)
);

CREATE TABLE dept_emp (
    emp_no      INT          NOT NULL,
    dept_no      CHAR(4)      NOT NULL,
    from_date    DATE         NOT NULL,
    to_date      DATE         NOT NULL,
    CONSTRAINT fk_dept_emp_emp FOREIGN KEY (emp_no) REFERENCES employees (emp_no) ON DELETE
    CASCADE,
    CONSTRAINT fk_dept_emp_dept FOREIGN KEY (dept_no) REFERENCES departments (dept_no) ON DELETE
    CASCADE,
    CONSTRAINT pk_dept_emp PRIMARY KEY (emp_no,dept_no)
);

CREATE TABLE titles (
    emp_no      INT          NOT NULL,
    title       VARCHAR(50)   NOT NULL,
    from_date    DATE         NOT NULL,
    to_date      DATE,
    CONSTRAINT fk_titles_emp FOREIGN KEY (emp_no) REFERENCES employees (emp_no) ON DELETE
    CASCADE,
    CONSTRAINT pk_titles PRIMARY KEY (emp_no,title, from_date)
);

CREATE TABLE salaries (
    emp_no      INT          NOT NULL,
    salary       INT          NOT NULL,
    from_date    DATE         NOT NULL,
    to_date      DATE         NOT NULL,
    CONSTRAINT fk_salaries_emp FOREIGN KEY (emp_no) REFERENCES employees (emp_no) ON DELETE
    CASCADE,
    CONSTRAINT pk_salaries PRIMARY KEY (emp_no, from_date)
);

```