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19P-0085

DATA\_BASE\_LAB

HOME\_WORK # 01:



Code:

```
CREATE TABLE EMPLOYEES(  
    EMP_NO INT NOT NULL PRIMARY KEY,  
    BIRTH_DATE DATE,  
    FIRST_NAME VARCHAR(14),  
    LAST_NAME VARCHAR(26),  
    SEX ENUM("M", "F"),  
    HIRE_DATE DATE  
);  
  
CREATE TABLE TITLES(  
    EMP_NO INT,  
    INDEX(EMP_NO),  
    TITLE VARCHAR(50) PRIMARY KEY,  
    FROM_DATE DATE,  
    TO_DATE DATE,  
    CONSTRAINT FK_TITLES FOREIGN KEY (EMP_NO) REFERENCES EMPLOYEES(EMP_NO)  
);  
  
CREATE TABLE SALARIES(  
    EMP_NO INT,  
    INDEX(EMP_NO),  
    SALARY INT,  
    FROM_DATE DATE NOT NULL,  
    TO_DATE DATE NOT NULL,  
    CONSTRAINT PK_SALARIES PRIMARY KEY(FROM_DATE, TO_DATE),  
    CONSTRAINT FK_SALARIES FOREIGN KEY (EMP_NO) REFERENCES EMPLOYEES(EMP_NO)  
);  
  
CREATE TABLE DEPT_EMP(  
    EMP_NO INT,  
    INDEX(EMP_NO),  
    DEPT_NO CHAR(4) NOT NULL PRIMARY KEY,  
    FROM_DATE DATE,
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        TO_DATE DATE,
        CONSTRAINT FK_DEPT_EMP FOREIGN KEY (EMP_NO) REFERENCES EMPLOYEES(EMP_NO)
    );

CREATE TABLE DEPT_MANAGER(
    DEPT_NO CHAR(4) NOT NULL PRIMARY KEY,
    EMP_NO INT,
    INDEX(EMP_NO),
    FROM_DATE DATE,
    TO_DATE DATE,
    CONSTRAINT FK_DEPT_MANAGER FOREIGN KEY (EMP_NO) REFERENCES
EMPLOYEES(EMP_NO)
);

CREATE TABLE DEPARTMENTS(
    DEPT_NO CHAR(4),
    INDEX(DEPT_NO),
    DEPT_NAME VARCHAR(40),
    CONSTRAINT FK_DEPARTMENTS FOREIGN KEY (DEPT_NO) REFERENCES
DEPT_MANAGER(DEPT_NO)
);

```

```

MariaDB [(none)]> USE ORGANIZATION;
Database changed
MariaDB [ORGANIZATION]> CREATE TABLE TITLES(
    ->     EMP_NO INT,
    ->     INDEX(EMP_NO),
    ->     TITLE VARCHAR(50) PRIMARY KEY,
    ->     FROM_DATE DATE,
    ->     TO_DATE DATE,
    ->     CONSTRAINT FK_TITLES FOREIGN KEY (EMP_NO) REFERENCES EMPLOYEES(EMP_NO)
    -> );
Query OK, 0 rows affected (0.372 sec)

```

```

MariaDB [ORGANIZATION]> CREATE TABLE SALARIES(
    ->     EMP_NO INT,
    ->     INDEX(EMP_NO),
    ->     SALARY INT,
    ->     FROM_DATE DATE NOT NULL,
    ->     TO_DATE DATE NOT NULL,
    ->     CONSTRAINT PK_SALARIES PRIMARY KEY(FROM_DATE,TO_DATE),
    ->     CONSTRAINT FK_SALARIES FOREIGN KEY (EMP_NO) REFERENCES EMPLOYEES(EMP_NO)
    -> );
Query OK, 0 rows affected, 1 warning (0.030 sec)

```

```

MariaDB [ORGANIZATION]> CREATE TABLE DEPT_EMP(
->     EMP_NO INT,
->     INDEX(EMP_NO),
->     DEPT_NO CHAR(4) NOT NULL PRIMARY KEY,
->     FROM_DATE DATE,
->     TO_DATE DATE,
->     CONSTRAINT FK_DEPT_EMP FOREIGN KEY (EMP_NO) REFERENCES EMPLOYEES(EMP_NO)
-> );
Query OK, 0 rows affected (0.030 sec)

```

```

MariaDB [ORGANIZATION]> CREATE TABLE DEPT_MANAGER(
->     DEPT_NO CHAR(4) NOT NULL PRIMARY KEY,
->     EMP_NO INT,
->     INDEX(EMP_NO),
->     FROM_DATE DATE,
->     TO_DATE DATE,
->     CONSTRAINT FK_DEPT_MANAGER FOREIGN KEY (EMP_NO) REFERENCES EMPLOYEES(EMP_NO)
-> );
Query OK, 0 rows affected (0.028 sec)

```

```

)' at line 7
MariaDB [ORGANIZATION]> CREATE TABLE DEPT_MANAGER(
->     DEPT_NO CHAR(4) NOT NULL PRIMARY KEY,
->     EMP_NO INT,
->     INDEX(EMP_NO),
->     FROM_DATE DATE,
->     TO_DATE DATE,
->     CONSTRAINT FK_DEPT_MANAGER FOREIGN KEY (EMP_NO) REFERENCES EMPLOYEES(EMP_NO)
-> );
Query OK, 0 rows affected (0.028 sec)

```

```

MariaDB [ORGANIZATION]> CREATE TABLE DEPARTMENTS(
->     DEPT_NO CHAR(4),
->     INDEX(DEPT_NO),
->     DEPT_NAME VARCHAR(40),
->     CONSTRAINT FK_DEPARTMENTS FOREIGN KEY (DEPT_NO) REFERENCES DEPT_MANAGER(DEPT_NO)
-> );
Query OK, 0 rows affected (0.026 sec)

```

```

MariaDB [ORGANIZATION]>

```



