

ASD LAB

Algorithm and program.

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85. CSB

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```
① CREATE TABLE EMPLOYEE (  
    EMP_NO INT NOTNULL PRIMARY KEY,  
    NAME VARCHAR(25),  
    JOB VARCHAR(50),  
    SALARY FLOAT(5,2),  
    PHONE_NO VARCHAR(10),  
    DEPT_NO INT NOTNULL,  
    FOREIGN KEY (DEPT_NO) REFERENCES DEPT(  
        DEPT_NO),  
    GENDER CHAR.  
);
```

```
② CREATE TABLE DEPT(  
    DEPT_NO INT NOTNULL,  
    DEPT_NAME VARCHAR(25),  
    DEPT_LOC VARCHAR(50),  
    DEPT_MGR INT,  
    FOREIGN KEY (DEPT_NO) REFERENCES  
    EMPLOYEE (DEPT_NO),  
    FOREIGN KEY (MGR) REFERENCES  
    EMPLOYEE (EMP_NO)  
);
```

3) ~~Q~~ SELECT * FROM EMPLOYEE WHERE JOB
= 'CLERK' ORDER BY EMP_NO;

4) SELECT * FROM EMPLOYEE, DEPT D
WHERE D.DEPT_NO = E.DEPT_NO AND D.
DEPT_NAME = 'Research'

6. ~~Update~~

UPDATE EMPLOYEE SET SALARY = 4000
WHERE EMP_NO = 140;

7) INSERT INTO EMPLOYEE VALUES (150, 'Sew',
'clerk', 4500.00, '2018-07-17', 10, 'M');

8) SELECT * FROM EMPLOYEE;
SELECT * FROM DEPT;