

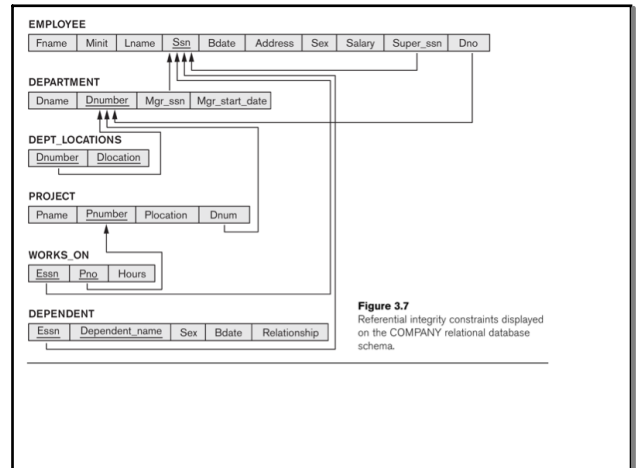
SQL

~ / .my.cnf

[mysql]
 host = dijkstra
 database = username-db
 password

.mysql-history

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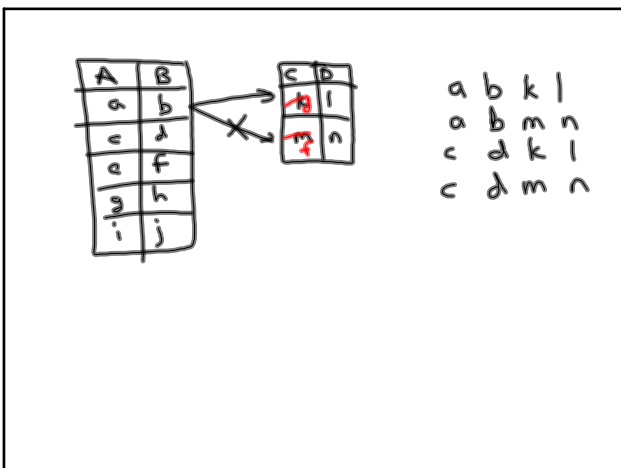
select columns
 from tables
 [where condition];

optional

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string
 wildcards: % 0 or more char.
 _ matches 1 char

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```
CREATE TABLE EMPLOYEE
(
    FNAME VARCHAR(15) NOT NULL,
    MINIT CHAR,
    LNAME VARCHAR(15) NOT NULL,
    SSN CHAR(9) NOT NULL,
    BDATE DATE,
    ADDRESS VARCHAR(30),
    SEX CHAR,
    SALARY DECIMAL(10,2),
    SUPERSSN CHAR(9),
    DNO INT NOT NULL,
    PRIMARY KEY(SSN)
);
```

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```
INSERT INTO EMPLOYEE VALUES  
(John,'B','Smith','123456789','1965-01-09','731 Fondren, Houston, TX','M',30000,'333445555',5),  
(Franklin,'T','Wong','333445555','1955-12-08','638 Voss, Houston, TX','M',40000,'888665555',5),  
(Alicia,'J','Zelaya','999887777','1968-07-19','3321 Castle, Spring, TX','F',25000,'987654321',4),  
(Jennifer,'S','Wallace','987654321','1941-06-20','291 Berry,Bellaire, TX','F',43000,'888665555',4),  
(Ramesh,'K','Narayan','666884444','1962-09-15','975 Fire Oak, Humble, TX','M',38000,'333445555',5),  
(Joyce,'A','English','453453453','1972-07-31','5631 Rice, Houston, TX','F',25000,'333445555',5),  
(Ahmad,'V','Jabbar','987987987','1969-03-29','980 Dallas, Houston, TX','M',25000,'987654321',4),  
(James,'E','Borg','888665555','1937-11-10','450 Stone, Houston, TX','M',55000,'1),
```

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```
ALTER TABLE EMPLOYEE ADD FOREIGN KEY (SUPERSSN) REFERENCES EMPLOYEE(SSN);  
ALTER TABLE EMPLOYEE ADD FOREIGN KEY (DNO) REFERENCES DEPARTMENT(DNUMBER);
```

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