



Imam Mohammad Ibn Saud Islamic University  
College of Computer and Information Sciences  
Information Systems Department  
Project

|                    |  |
|--------------------|--|
| Course Title:      | Introduction to Databases                          |
| Course Code:       | IS 220   |
| Course Instructor: | Female: Dr. Hala Alrumaih<br>Male: Dr. Yasser Kotb |
| Semester:          | Spring 2022  |
| Due Date:          | 22-05-2022   |

**Instructions:**

1. Submission date is on **18-04-2022** via *IMAMU LMS Blackboard* before **10 a.m.**
2. Any attempt to cheat from any of your classmates or from the Internet the whole assignment/project will be marked as **Zero**. Be aware that Blackboard uses plagiarism check tool! (Read and sign **Plagiarism Declaration**)
3. There will be **no extension** in the submission deadline.
4. No **hand writing** is accepted.
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|               |                   |           |  |
|---------------|-------------------|-----------|--|
| Project Title | Law firm database |           |  |
| Section No.   | 172               | Group No. |  |

| Students Names              | Students IDs | Read and accept (Plagiarism Declaration)  | Mark out of 15 |
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## Project Evaluation's Sheet

| Criteria   | Deserved Points | Criteria's Points |
|--|-----------------|-------------------|
| <b>Part # 1: Conceptual Part</b>   | <b>3</b>        |                   |
| • Short description (about one paragraph) of the database application  |                 | 0.5               |
| • Clear data requirement that describes the entities (7)   |                 | 0.5               |
| • EER (Entities, Relationship, Attributes, Cardinality, Multiplicity)  |                 | 2                 |
| <b>Part # 2: Logical part</b>  | <b>3</b>        |                   |
| • Map EER model to a relational database schema  |                 | 2                 |
| • Normalize your schema to the third normal form   |                 | 1                 |
| <b>Part # 3: Physical Part (implementation)</b>  | <b>6</b>        |                   |
| <b>Schema Implementation</b>   | <b>2.5</b>      |                   |
| • Use appropriate naming conventions for all of your tables and attributes                                   |                 | 0.5               |
| • SQL DDL statements to create database, primary key and foreign keys must be defined                        |                 | 0.5               |
| • Define attributes, data types, constraints e.g. NOT NULL/UNIQUE  |                 | 0.5               |
| • Explain where and how referential integrity constraints have been incorporated                             |                 | 0.5               |
| • Insert at least 5 rows into each table   |                 | 0.5               |
| <b>Query implementations</b>   | <b>3.5</b>      |                   |
| • 2 different update queries   |                 | 0.5               |
| • 2 different delete queries   |                 | 0.5               |
| • 2 simple select queries related to your tables   |                 | 0.5               |
| • 2 nested queries related to your tables  |                 | 0.5               |
| • 2 simple join queries related to your tables   |                 | 0.5               |
| • 2 simple retrieval queries using group by, having clause, and aggregation functions related to your tables |                 | 0.5               |
| • 2 different views, give SQL translations of them, and indicate their implementation and solutions          |                 | 0.5               |
| <b>Report format and overall adherence</b>   | <b>1</b>        |                   |
| • Report format  |                 | 0.5               |
| • Project run and overall adherence to project specification.  |                 | 0.5               |
| <b>Subtotal#1 (CLO 2.4)</b>  |                 | <b>13</b>         |
| <b>Presentation</b>  | <b>2</b>        |                   |
| • Slides (CLO 3.2)   |                 | 1                 |
| • Discussion (CLO 3.1)   |                 | 1                 |
| <b>Subtotal#2</b>  |                 | <b>2</b>          |



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## Part # 1: Conceptual Part:

### Description:

A law firm has an owner is identified by SSN and has name, address, lawsuit, management experience

And employee identified by emp\_id and has name, address, phone\_num, salary and birth\_date

The employee can be a lawyer, secretary or technical

A lawyer degree and Experience

A technician has a specialization

A client identified by client\_id and has name, phone\_num

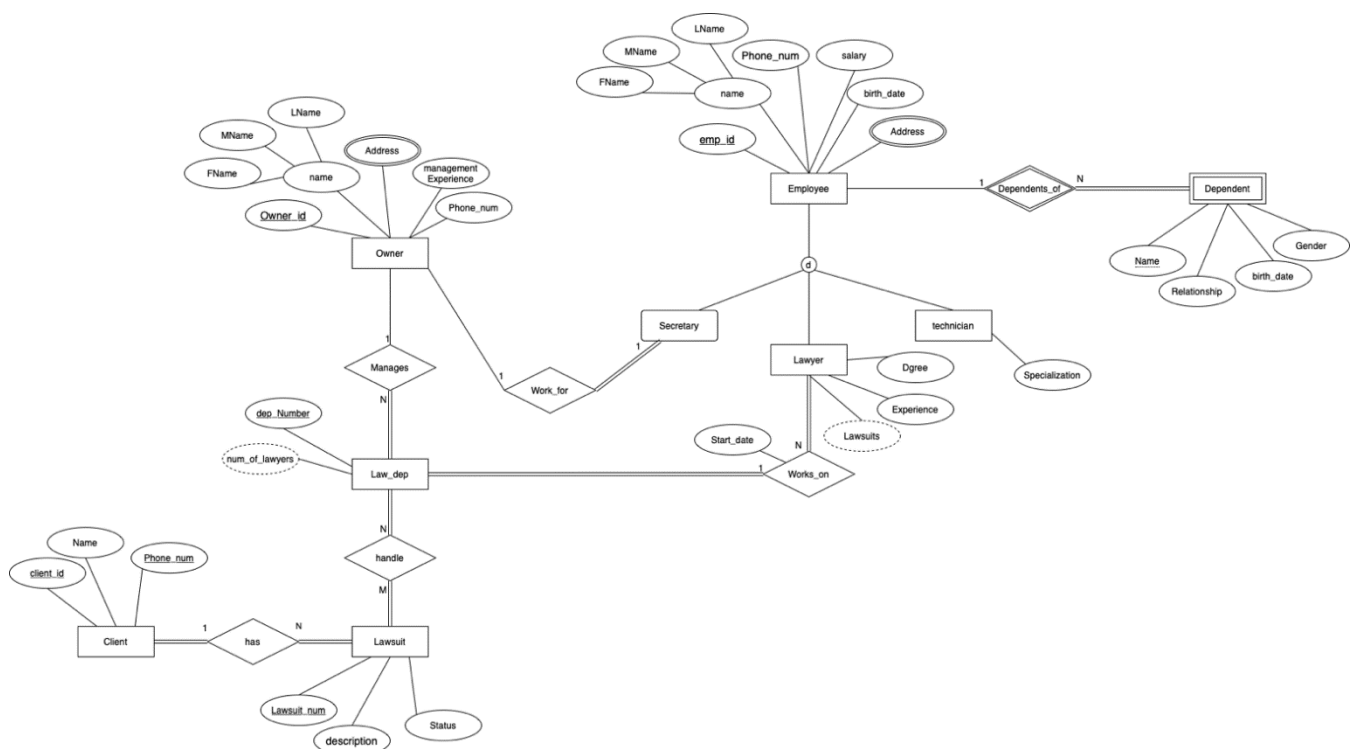
A lawsuit identified by lawsuit\_num, and has description and status

An employee may have dependence identified by name, gender, relationship to the employee, birth\_date

The law department has number managed one of the owners and lawyers working at it and handle the client's lawsuits.

The owner may have a secretary

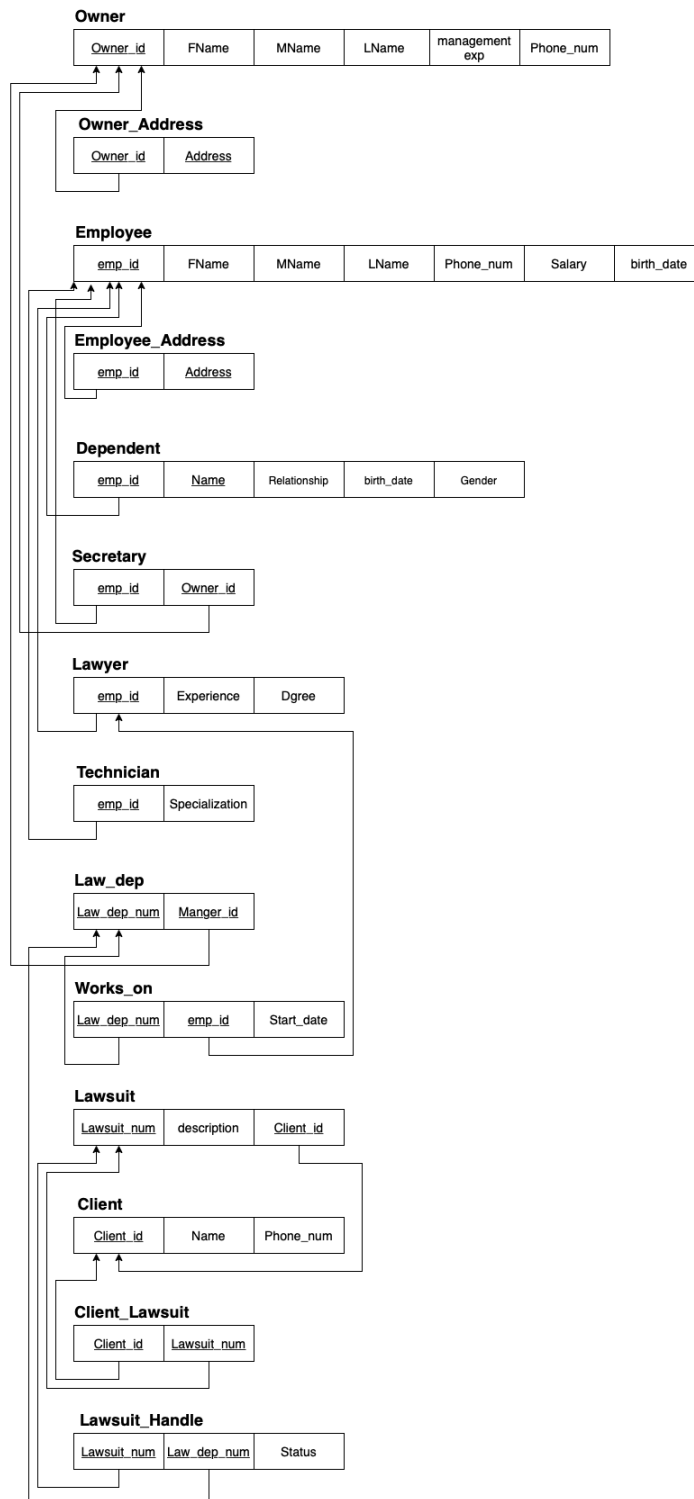
### EERD:





## Part # 2: Logical part:

### A. Mapping





## B. Normalization:

### Owner

| <u>Owner_id</u> | FName | MName | LName | management exp | Phone_num |
|-----------------|-------|-------|-------|----------------|-----------|
|-----------------|-------|-------|-------|----------------|-----------|

1NF: in 1nf Normal form

because there isn't composite

attribute ,multi valued attribute and nested relation

2NF: in 2nf Normal form

Because all are fully functionally dependent.

3NF: in 3rd Normal form

because there is no non-key give non-key. No transitive dependency.

### Owner\_Address

| <u>Owner_id</u> | <u>Address</u> |
|-----------------|----------------|
|-----------------|----------------|

1NF: in 1nf Normal form

because there isn't composite

attribute ,multi valued attribute and nested relation

2NF: in 2nf Normal form

Because all are fully functionally dependent.

3NF: in 3rd Normal form

because there is no non-key give non-key. No transitive dependency.

### Employee

| <u>emp_id</u> | FName | MName | LName | Phone_num | Salary | birth_date |
|---------------|-------|-------|-------|-----------|--------|------------|
|---------------|-------|-------|-------|-----------|--------|------------|

1NF: in 1nf Normal form

because there isn't composite

attribute ,multi valued attribute and nested relation

2NF: in 2nf Normal form

Because all are fully functionally dependent.

3NF: in 3rd Normal form



### Employee\_Address

|               |                |
|---------------|----------------|
| <u>emp_id</u> | <u>Address</u> |
|---------------|----------------|

1NF: in 1nf Normal form  
because there isn't composite  
attribute ,multi valued attribute and nested relation

2NF: in 2nf Normal form  
Because all are fully functionally dependent.

3NF: in 3rd Normal form  
because there is no non-key give non-key. No transitive dependency.

### Dependent

|               |             |              |            |        |
|---------------|-------------|--------------|------------|--------|
| <u>emp_id</u> | <u>Name</u> | Relationship | birth_date | Gender |
|---------------|-------------|--------------|------------|--------|

Diagram showing functional dependencies: emp\_id → Name, emp\_id → Relationship, emp\_id → birth\_date, emp\_id → Gender

1NF: in 1nf Normal form  
because there isn't composite  
attribute ,multi valued attribute and nested relation

2NF: in 2nf Normal form  
Because all are fully functionally dependent.

3NF: in 3rd Normal form  
because there is no non-key give non-key. No transitive dependency.

### Secretary

|               |                 |
|---------------|-----------------|
| <u>emp_id</u> | <u>Owner_id</u> |
|---------------|-----------------|

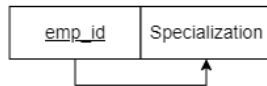
1NF: in 1nf Normal form  
because there isn't composite  
attribute ,multi valued attribute and nested relation

2NF: in 2nf Normal form  
Because all are fully functionally dependent.

3NF: in 3rd Normal form  
because there is no non-key give non-key. No transitive dependency.



### Technician



1NF: in 1nf Normal form

because there isn't composite

attribute ,multi valued attribute and nested relation

2NF: in 2nf Normal form

Because all are fully functionally dependent.

3NF: in 3rd Normal form

because there is no non-key give non-key. No transitive dependency.

### Lawyer



1NF: in 1nf Normal form

because there isn't composite

attribute ,multi valued attribute and nested relation

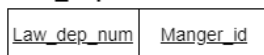
2NF: in 2nf Normal form

Because all are fully functionally dependent.

3NF: in 3rd Normal form

because there is no non-key give non-key. No transitive dependency.

### Law\_dep



1NF: in 1nf Normal form

because there isn't composite

attribute ,multi valued attribute and nested relation

2NF: in 2nf Normal form

Because all are fully functionally dependent.

3NF: in 3rd Normal form





### Works\_on

|                    |               |            |
|--------------------|---------------|------------|
| <u>Law_dep_num</u> | <u>emp_id</u> | Start_date |
|--------------------|---------------|------------|

1NF: in 1nf Normal form  
because there isn't composite attribute ,multi valued attribute and nested relation

2NF: in 2nf Normal form  
Because all are fully functionally dependent.

3NF: in 3rd Normal form  
because there is no non-key give non-key. No transitive dependency.

### Lawsuit

|                    |             |                  |
|--------------------|-------------|------------------|
| <u>Lawsuit_num</u> | description | <u>Client_id</u> |
|--------------------|-------------|------------------|

1NF: in 1nf Normal form  
because there isn't composite attribute ,multi valued attribute and nested relation

2NF: in 2nf Normal form  
Because all are fully functionally dependent.

3NF: in 3rd Normal form  
because there is no non-key give non-key. No transitive dependency.

### Client

|                  |      |           |
|------------------|------|-----------|
| <u>Client_id</u> | Name | Phone_num |
|------------------|------|-----------|

1NF: in 1nf Normal form  
because there isn't composite attribute ,multi valued attribute and nested relation

2NF: in 2nf Normal form  
Because all are fully functionally dependent.

3NF: in 3rd Normal form  
because there is no non-key give non-key. No transitive dependency.



### Client\_Lawsuit

|                  |                    |
|------------------|--------------------|
| <u>Client_id</u> | <u>Lawsuit_num</u> |
|------------------|--------------------|

1NF: in 1nf Normal form  
because there isn't composite  
attribute ,multi valued attribute and nested relation

2NF: in 2nf Normal form  
Because all are fully functionally dependent.

3NF: in 3rd Normal form  
because there is no non-key give non-key. No transitive dependency.

### Lawsuit\_Handle

|                    |                    |        |
|--------------------|--------------------|--------|
| <u>Lawsuit_num</u> | <u>Law_dep_num</u> | Status |
|--------------------|--------------------|--------|

↑

1NF: in 1nf Normal form  
because there isn't composite  
attribute ,multi valued attribute and nested relation

2NF: in 2nf Normal form  
Because all are fully functionally dependent.

3NF: in 3rd Normal form  
because there is no non-key give non-key. No transitive dependency.



### Part # 3: Physical Part (implementation): Schema implementation:

```
5 CREATE TABLE owner(  
6   owner_id NUMBER(10),  
7   fname VARCHAR2(10) NOT NULL,  
8   mname VARCHAR2(10) NOT NULL,  
9   lname VARCHAR2(10) NOT NULL,  
10  management_exp NUMBER(2) NOT NULL,  
11  phone_num NUMBER(10) UNIQUE,  
12  CONSTRAINT own_pk PRIMARY KEY(owner_id)  
13 );  
14  
15  
16 CREATE TABLE owner_address(  
17   owner_id NUMBER(10),  
18   address VARCHAR2(40),  
19   CONSTRAINT own_fk FOREIGN KEY(owner_id) REFERENCES owner(owner_id),  
20   CONSTRAINT add_pk PRIMARY KEY(address)  
21 );  
22  
23  
24 CREATE TABLE Employee(  
25   emp_id NUMBER(10),  
26   fname VARCHAR2(10) NOT NULL,  
27   mname VARCHAR2(10) NOT NULL,  
28   lname VARCHAR2(10) NOT NULL,  
29   phone_num NUMBER(10),  
30   salary NUMBER(7) NOT NULL,  
31   birth_date DATE,  
32   CONSTRAINT emp_pk PRIMARY KEY(emp_id)  
33 );  
34  
35  
36 CREATE TABLE Employee_address(  
37   emp_id NUMBER(10),  
38   address VARCHAR2(40) NOT NULL,  
39   CONSTRAINT adde_pk PRIMARY KEY(address),  
40   CONSTRAINT empid_fk FOREIGN KEY(emp_id) REFERENCES employee(emp_id)  
41 );  
42  
43  
44 CREATE TABLE dependent(  
45   emp_id NUMBER(10),  
46   name VARCHAR2(10) NOT NULL,  
47   relationship varchar(10) NOT NULL,  
48   birth_date date,  
49   gender char,  
50   CONSTRAINT depen_pk PRIMARY KEY(name),  
51   CONSTRAINT depen_fk FOREIGN KEY(emp_id) REFERENCES employee(emp_id)  
52 );
```



```
54
55 CREATE TABLE secretary(
56     emp_id NUMBER(10) ,
57     owner_id NUMBER(10) ,
58     CONSTRAINT secretary_ID FOREIGN KEY(emp_id) REFERENCES employee(emp_id) ,
59     CONSTRAINT sec_fk FOREIGN KEY(owner_id) REFERENCES owner(owner_id)
60 );
61
62
63 CREATE TABLE lawyer(
64     emp_id NUMBER(10) ,
65     experience NUMBER(2) NOT NULL,
66     dgree VARCHAR2(20) ,
67     CONSTRAINT lawyer_ID FOREIGN KEY(emp_id) REFERENCES employee(emp_id)
68 );
69
70
71 CREATE TABLE technician(
72     emp_id NUMBER(10) NOT NULL,
73     specialization VARCHAR2(15) NOT NULL,
74     CONSTRAINT technician_ID FOREIGN KEY(emp_id) REFERENCES employee(emp_id)
75 );
76
77
78 CREATE TABLE law_dep(
79     law_dep_num NUMBER(4) ,
80     manager_id NUMBER(10) ,
81     CONSTRAINT lawdep_pk PRIMARY KEY(law_dep_num) ,
82     CONSTRAINT lawdep_fk FOREIGN KEY(manager_id) REFERENCES owner(owner_id)
83 );
84
85
86 CREATE TABLE works_on(
87     law_dep_num NUMBER(4) ,
88     emp_id NUMBER(10) ,
89     start_date DATE,
90     CONSTRAINT wdep_fk FOREIGN KEY(law_dep_num) REFERENCES law_dep(law_dep_num) ,
91     CONSTRAINT wemp_fk FOREIGN KEY(emp_id) REFERENCES Employee(emp_id)
92 );
```



```
94
95 CREATE TABLE client(
96   client_id NUMBER(10) ,
97   name VARCHAR2(12) NOT NULL,
98   phone_num NUMBER(10) NOT NULL,
99   CONSTRAINT cl_pk PRIMARY KEY(client_id)
100 ) ;
101
102
103 CREATE TABLE lawsuit(
104   lawsuit_num NUMBER(6) NOT NULL,
105   description VARCHAR2(30),
106   client_id NUMBER(10),
107   CONSTRAINT suit_pk PRIMARY KEY(lawsuit_num),
108   CONSTRAINT suit_fk FOREIGN KEY(client_id) REFERENCES client(client_id)
109 ) ;
110
111
112 CREATE TABLE client_lawsuit(
113   client_id NUMBER(10),
114   lawsuit_num NUMBER(6),
115   CONSTRAINT clawid_fk FOREIGN KEY(client_id) REFERENCES client(client_id),
116   CONSTRAINT clawnum_fk FOREIGN KEY(lawsuit_num) REFERENCES lawsuit(lawsuit_num)
117 ) ;
118
119
120 CREATE TABLE lawsuit_handle(
121   lawsuit_num NUMBER(6),
122   law_dep_num NUMBER(4),
123   CONSTRAINT lawhdep_fk FOREIGN KEY(law_dep_num) REFERENCES law_dep(law_dep_num),
124   CONSTRAINT lawhnum_fk FOREIGN KEY(lawsuit_num) REFERENCES lawsuit(lawsuit_num)
125 );
```



```
insert into owner
values(1112223334,'alex','james','daniel',20,0554336689);

insert into owner
values(2224448899,'jack','oscar','william',35,0552246589);

insert into owner
values(1244667777,'Michael','Oliver','William',25,0552246768);

insert into owner
values(5557788234,'Henry','Noah','William',26,0556699321);

insert into owner
values(4447779996,'Charlie','Charles','William',13,0553322791);

insert into owner_address
values (1244667777,'213 kirby road');

insert into owner_address
values (1244667777,'2567 Lark Lane');

insert into owner_address
values (4447779996,'432 Elgin Road');

insert into owner_address
values (5557788234,'9821 Fontana Lake');

insert into owner_address
values (1112223334,'5421 Bluebonnet Lane');

insert into owner_address
values (2224448899,'3214 Blane Road');
```



```
insert into Employee
values (333668881,'Faris','Ahmed','Alnasser',Null,19000,TO_DATE('21/8/1990','DD/MM/YYYY'));

insert into Employee
values (6655444222,'Nawaf','Khalid','Alahmed',Null,15000,TO_DATE('19/1/1989','DD/MM/YYYY'));

insert into Employee
values (4442221116,'Noor','Khalid','Alnagem',Null,18000,TO_DATE('19/8/1995','DD/MM/YYYY'));

insert into Employee
values (779977442,'Lara','Ahmed','Almansour',Null,17000,TO_DATE('5/11/1998','DD/MM/YYYY'));

insert into Employee
values (2123334449,'Norah','Sami','Abanmi',0508633227,7000,TO_DATE('3/3/1992','DD/MM/YYYY'));

insert into Employee
values (4455778811,'Samiah','Jehad','Bajandoh',0559483227,15000,TO_DATE('3/3/1992','DD/MM/YYYY'));

insert into Employee
values (2223114446,'Kother','Majed','Alswikt',056385417,9000,TO_DATE('3/3/1992','DD/MM/YYYY'));

insert into Employee
values (6688899922,'Jwaher','Ahmed','Alfaiz',0508793244,10000,TO_DATE('3/3/1992','DD/MM/YYYY'));

insert into Employee
values (4455991133,'Ali','Mhomod','Khlil',0554784264,10000,TO_DATE('3/3/1992','DD/MM/YYYY'));

insert into Employee
values (4445566991,'Majed','Muhmmmed','Zaghlol',0554433227,13000,TO_DATE('3/3/1992','DD/MM/YYYY'));

insert into Employee
values (6665554433,'Jamel','Fadi','Fuzi',0537004904,7000,TO_DATE('3/3/1992','DD/MM/YYYY'));

insert into Employee_address
values (2223334449,'2765 Boylston Road');

insert into Employee_address
values (779977442,'232 Alolya Road');

insert into Employee_address
values (6688899922,'56 As Safh Road');

insert into Employee_address
values (6665554433,'56 Al Barq');

insert into Employee_address
values (4455778811,'897 Al Safa');

insert into Employee_address
values (779977442,'645 Dijlah road');
```



```
insert into dependent
values(2223334449,'Norah','daughter',TO_DATE('22/7/2019','DD/MM/YYYY'),'F');

insert into dependent
values(779977442,'Khalid','son',TO_DATE('8/1/2016','DD/MM/YYYY'),'M');

insert into dependent
values(6688899922,'Feras','son',TO_DATE('23/9/2010','DD/MM/YYYY'),'M');

insert into dependent
values(6665554433,'Suha','daughter',TO_DATE('11/5/2012','DD/MM/YYYY'),'F');

insert into dependent
values(4455778811,'Sami','son',TO_DATE('12/12/2019','DD/MM/YYYY'),'M');

insert into secretary
values(2123334449,4447779996);

insert into secretary
values(2223114446,5557788234);

insert into secretary
values(4455778811,1112223334);

insert into secretary
values(6688899922,2224448899);

insert into secretary
values(4455991133,1244667777);

insert into lawyer
values(779977442,2,'Master');

insert into lawyer
values(3336668881,4,'Master');

insert into lawyer
values(6655444222,3,'Bachelor');

insert into lawyer
values(4442221116,4,'PHD');

insert into lawyer
values(779977442,2,'Bachelor');

insert into technician
values(4445566991,'maintenance');

insert into technician
values(6665554433,'maintenance');
```





```
insert into law_dep
values(1122,4447779996);

insert into law_dep
values(2233,5557788234);

insert into law_dep
values(4422,2224448899);

insert into law_dep
values(5511,1112223334);

insert into law_dep
values(7711,1244667777);

insert into works_on
values(1122,779977442,TO_DATE('20/9/2018','DD/MM/YYYY'));

insert into works_on
values(5511,3336668881,TO_DATE('3/7/2020','DD/MM/YYYY'));

insert into works_on
values(7711,6655444222,TO_DATE('18/6/2019','DD/MM/YYYY'));

insert into works_on
values(2233,4442221116,null);

insert into works_on
values(4422,779977442,null);

insert into client
values(2223338844,'Ahmed',0558877654);

insert into client
values(6656559877,'sarah',0553327786);

insert into client
values(4443229871,'mohammed',0556783229);

insert into client
values(3334425667,'huda',0556642318);

insert into client
values(5544672659,'Malek',0559933117);
```



## Query implementations:

```
UPDATE owner_address SET address = '218 kirby road' WHERE address = '213 kirby road';
UPDATE owner SET fname = 'Alex' WHERE owner_id = 1112223334;

DELETE FROM secretary WHERE emp_id = 4455991133;
DELETE FROM Employee_address WHERE address = '2765 Boylston Road';

SELECT * FROM owner WHERE management_exp >20;
SELECT * FROM Employee WHERE salary>7000;

SELECT lawyer.emp_id,law_dep_num FROM lawyer join Works_on on Works_on.emp_id = lawyer.emp_id WHERE experience > 2;
SELECT lawsuit_num,phone_num FROM lawsuit join client on client.client_id= lawsuit.client_id;

SELECT Avg(salary) FROM Employee WHERE fname='Nawaf';
SELECT Avg(salary),emp_id FROM Employee group by emp_id;

SELECT max(salary) AS Highest_salary FROM Employee Group by salary HAVING salary > 10000;
SELECT Max(fname) FROM owner Group by management_exp HAVING management_exp> 10 ORDER BY management_exp;

Create VIEW high_salary As SELECT * FROM Employee Where salary > (select Avg(salary) from employee);
Create VIEW employee_IDs As SELECT emp_id FROM Employee Group by emp_id;

SELECT description FROM lawsuit
WHERE lawsuit_num=(
    SELECT lawsuit_num FROM client_lawsuit WHERE client_id=5544672659);

SELECT fname,lname FROM Employee
WHERE Employee.emp_id in(SELECT secretary.emp_id from secretary);
```



| OWNER_ID   | FNAME   | MNAME   | LNAME   | MANAGEMENT_EXP | PHONE_NUM |
|------------|---------|---------|---------|----------------|-----------|
| 1112223334 | Alex    | james   | daniel  | 20             | 554336689 |
| 2224448899 | jack    | oscar   | william | 35             | 552246589 |
| 1244667777 | Michael | Oliver  | William | 25             | 552246768 |
| 5557788234 | Henry   | Noah    | William | 26             | 556699321 |
| 4447779996 | Charlie | Charles | William | 13             | 553322791 |

[Download CSV](#)

5 rows selected.

| EMP_ID     | FNAME  | MNAME    | LNAME     | PHONE_NUM | SALARY | BIRTH_DATE |
|------------|--------|----------|-----------|-----------|--------|------------|
| 3336668881 | Faris  | Ahmed    | Alnasser  | -         | 19000  | 21-AUG-90  |
| 6655444222 | Nawaf  | Khalid   | Alahmed   | -         | 15000  | 19-JAN-89  |
| 4442221116 | Noor   | Khalid   | Alnagem   | -         | 18000  | 19-AUG-95  |
| 779977442  | Lara   | Ahmed    | Almansour | -         | 17000  | 05-NOV-98  |
| 4455778811 | Samiah | Jehad    | Bajandoh  | 559483227 | 15000  | 03-MAR-92  |
| 2223114446 | Kother | Majed    | Alswikt   | 56385417  | 9000   | 03-MAR-92  |
| 6688899922 | Jwahr  | Ahmed    | Alfaiz    | 508793244 | 10000  | 03-MAR-92  |
| 4455991133 | Ali    | Mhomod   | Khilil    | 554784264 | 10000  | 03-MAR-92  |
| 4445566991 | Majed  | Muhmmmed | Zaghlo1   | 554433227 | 13000  | 03-MAR-92  |

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9 rows selected.

| EMP_ID     | LAW_DEP_NUM |
|------------|-------------|
| 3336668881 | 5511        |
| 6655444222 | 7711        |
| 4442221116 | 2233        |

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3 rows selected.

| LAWSUIT_NUM | PHONE_NUM |
|-------------|-----------|
| 443213      | 558877654 |
| 223311      | 553327786 |
| 653211      | 556783229 |
| 445631      | 556642318 |
| 553241      | 559933117 |

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5 rows selected.

| AVG(SALARY) |
|-------------|
| 15000       |

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| AVG(SALARY) | EMP_ID     |
|-------------|------------|
| 7000        | 2223334449 |
| 19000       | 3336668881 |
| 15000       | 6655444222 |
| 18000       | 4442221116 |
| 17000       | 779977442  |
| 7000        | 2123334449 |
| 15000       | 4455778811 |
| 9000        | 2223114446 |
| 10000       | 6688899922 |
| 10000       | 4455991133 |
| 13000       | 4445566991 |
| 7000        | 6665554433 |

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12 rows selected.

| HIGHEST_SALARY |
|----------------|
| 15000          |
| 18000          |
| 19000          |
| 17000          |
| 13000          |

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5 rows selected.

| MAX(FNAME) |
|------------|
| Charlie    |
| Alex       |
| Michael    |
| Henry      |
| jack       |

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5 rows selected.

View created.

View created.

| DESCRIPTION              |
|--------------------------|
| suit is about defamation |

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| FNAME  | LNAME    |
|--------|----------|
| Norah  | Abanmi   |
| Kother | Alswikt  |
| Samiah | Bajandoh |
| Jwaher | Alfaiz   |

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