```
Last login: Mon Nov 14 18:28:06 on ttys000
vinod:CS402-SP-Lab2 vinod.selpol$ gcc -c readfile.c
vinod:CS402-SP-Lab2 vinod.selpol$ gcc -o workerDB workerdb.c
readfile.o
vinod:CS402-SP-Lab2 vinod.selpol$ ./workerDB input.txt

Employee DB Menu:
----------------------------------
     (1) Print the Database
     (2) Lookup by ID
     (3) Lookup by Last Name
     (4) Add an Employee
     (5) Quit
     (6) Remove an Employee
     (7) Update an employee's information
     (8) Print the M employees with the highest salaries
     (9) Find all employees with matching last name
----------------------------------
Enter your choice: 1

Name                SALARY      ID
--------------------------------------------------
Cathryn             Danner          72000    165417
Matt                Meeden          69000    273225
Robert              Dufour          91000    471163
Dylan               Steinberg       84000    485913
Mike                Griffin         72000    499959
Daniel              McNamee         71000    547935
Peter               Olsen           82000    553997
Martine             Marshall        99000    633976
Jean                Jones           94000    702234
Dana                Parrish         87000    784372
Ann                 Coddington      82000    786785
Melissa             Dufour          114000   849387
Heather             James           98000    935460
Russ                Vorobiev        109000   970016
--------------------------------------------------
 Number of Employees (14)

Employee DB Menu:
----------------------------------
     (1) Print the Database
     (2) Lookup by ID
     (3) Lookup by Last Name
     (4) Add an Employee
     (5) Quit
     (6) Remove an Employee
     (7) Update an employee's information
     (8) Print the M employees with the highest salaries
```

(9) Find all employees with matching last name

Enter your choice: 6

Please enter an employee ID: 970016

Employee DB Menu:
----
        (1) Print the Database
        (2) Lookup by ID
        (3) Lookup by Last Name
        (4) Add an Employee
        (5) Quit
        (6) Remove an Employee
        (7) Update an employee's information
        (8) Print the M employees with the highest salaries
        (9) Find all employees with matching last name

Enter your choice: 1

Name   SALARY   ID

Cathryn   Danner   72000   165417
Matt   Meeden   69000   273225
Robert   Dufour   91000   471163
Dylan   Steinberg   84000   485913
Mike   Griffin   72000   499959
Daniel   McNamee   71000   547935
Peter   Olsen   82000   553997
Martine   Marshall   99000   633976
Jean   Jones   94000   702234
Dana   Parrish   87000   784372
Ann   Coddington   82000   786785
Melissa   Dufour   114000   849387
Heather   James   98000   935460

 Number of Employees (13)

Employee DB Menu:
----
        (1) Print the Database
        (2) Lookup by ID
        (3) Lookup by Last Name
        (4) Add an Employee
        (5) Quit
        (6) Remove an Employee
        (7) Update an employee's information
        (8) Print the M employees with the highest salaries
        (9) Find all employees with matching last name

```
_____
Enter your choice: 7

Please enter an employee ID: 702234

Enter first name (input 0 to skip): John
Enter last name (input 0 to skip): 0
Enter employee's salary (30000 to 150000) (input 0 to skip): 50000

Are you sure you want to add the employee?
    John 0,  Salary: 50000

Enter 1 for yes, 0 for no: 1
Updated first name
Skipping update to last name
Updated new salary
employee update completed successfully

Employee DB Menu:
_____
    (1) Print the Database
    (2) Lookup by ID
    (3) Lookup by Last Name
    (4) Add an Employee
    (5) Quit
    (6) Remove an Employee
    (7) Update an employee's information
    (8) Print the M employees with the highest salaries
    (9) Find all employees with matching last name
_____
Enter your choice: 1
```

Name	SALARY	ID
Cathryn	Danner	72000	165417
Matt	Meeden	69000	273225
Robert	Dufour	91000	471163
Dylan	Steinberg	84000	485913
Mike	Griffin	72000	499959
Daniel	McNamee	71000	547935
Peter	Olsen	82000	553997
Martine	Marshall	99000	633976
John	Jones	50000	702234
Dana	Parrish	87000	784372
Ann	Coddington	82000	786785
Melissa	Dufour	114000	849387
Heather	James	98000	935460

```
 Number of Employees (13)
```

```
Employee DB Menu:
----------------------------------
    (1) Print the Database
    (2) Lookup by ID
    (3) Lookup by Last Name
    (4) Add an Employee
    (5) Quit
    (6) Remove an Employee
    (7) Update an employee's information
    (8) Print the M employees with the highest salaries
    (9) Find all employees with matching last name
----------------------------------
Enter your choice: 8

Top number of salaries to print?: 5

Name              SALARY       ID
--------------------------------------------------
Melissa           Dufour          114000   849387
Martine           Marshall        99000    633976
Heather           James           98000    935460
Robert            Dufour          91000    471163
Dana              Parrish         87000    784372
--------------------------------------------------
 Number of Employees (5)

Employee DB Menu:
----------------------------------
    (1) Print the Database
    (2) Lookup by ID
    (3) Lookup by Last Name
    (4) Add an Employee
    (5) Quit
    (6) Remove an Employee
    (7) Update an employee's information
    (8) Print the M employees with the highest salaries
    (9) Find all employees with matching last name
----------------------------------
Enter your choice: 9

Please enter an employee's last name: Dufour

Name              SALARY       ID
--------------------------------------------------
Robert            Dufour          91000    471163
Melissa           Dufour          114000   849387
--------------------------------------------------
 Number of Employees (2)
```

```
Employee DB Menu:
---------------------------------
    (1) Print the Database
    (2) Lookup by ID
    (3) Lookup by Last Name
    (4) Add an Employee
    (5) Quit
    (6) Remove an Employee
    (7) Update an employee's information
    (8) Print the M employees with the highest salaries
    (9) Find all employees with matching last name
---------------------------------
Enter your choice: 5

 Goodbye!
vinod:CS402-SP-Lab2 vinod.selpol$
```