

```
vinod:CS402-SP-Lab1-main vinod.selpol$ gcc -c readfile.c
vinod:CS402-SP-Lab1-main vinod.selpol$ gcc -o workerDB workerdb.c
readfile.o
vinod:CS402-SP-Lab1-main 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
-

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
-

Enter your choice: 10

Invalid option. Please try again.

Employee DB Menu:

- (1) Print the Database
- (2) Lookup by ID
- (3) Lookup by Last Name
- (4) Add an Employee
- (5) Quit

Enter your choice: 2

Please enter an employee ID: 970016

Name	SALARY	ID
Russ	Vorobiev	109000 970016

Employee DB Menu:

-
- (1) Print the Database
 - (2) Lookup by ID
 - (3) Lookup by Last Name
 - (4) Add an Employee
 - (5) Quit
-

Enter your choice: 3

Please enter an employee's last name: James

Name	SALARY	ID
Heather	James	98000 935460

Employee DB Menu:

-
- (1) Print the Database
 - (2) Lookup by ID
 - (3) Lookup by Last Name
 - (4) Add an Employee
 - (5) Quit
-

Enter your choice: 4

Enter first name: John

Enter last name: Hannok

Enter employee's salary (30000 to 150000): 100000

Are you sure you want to add the employee?

John Hannok, Salary: 100000

Enter 1 for yes, 0 for no: 1
employee add complete

Employee DB Menu:

-
- (1) Print the Database
 - (2) Lookup by ID
 - (3) Lookup by Last Name
 - (4) Add an Employee
 - (5) Quit
-

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
John	Hannok	100000 970017

Number of Employees (15)

Employee DB Menu:

-
- (1) Print the Database
 - (2) Lookup by ID
 - (3) Lookup by Last Name
 - (4) Add an Employee
 - (5) Quit
-

Enter your choice: 5

Goodbye!

vinod:CS402-SP-Lab1-main vinod.selpol\$ clear

vinod:CS402-SP-Lab1-main vinod.selpol\$ gcc -c readfile.c

vinod:CS402-SP-Lab1-main vinod.selpol\$ gcc -o workerDB workerdb.c
readfile.o

```
vinod:CS402-SP-Lab1-main 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

```

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
-----
```

Enter your choice: 2

Please enter an employee ID: 970016

Name	SALARY	ID
Russ	Vorobiev	109000 970016

Employee DB Menu:

-
- (1) Print the Database
 - (2) Lookup by ID
 - (3) Lookup by Last Name
 - (4) Add an Employee
 - (5) Quit
-

Enter your choice: 3

Please enter an employee's last name: James

Name	SALARY	ID
Heather	James	98000 935460

Employee DB Menu:

-
- (1) Print the Database
 - (2) Lookup by ID
 - (3) Lookup by Last Name
 - (4) Add an Employee
 - (5) Quit
-

Enter your choice: 4

Enter first name: John

Enter last name: Hannok

Enter employee's salary (30000 to 150000): 100000

Are you sure you want to add the employee?

John Hannok, Salary: 100000

Enter 1 - yes

0 - no: 1

Added new employee successfully.

Employee DB Menu:

-
- (1) Print the Database
 - (2) Lookup by ID
 - (3) Lookup by Last Name
 - (4) Add an Employee
 - (5) Quit
-

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
John	Hannok	100000	970017

Number of Employees (15)

Employee DB Menu:

- (1) Print the Database
(2) Lookup by ID
(3) Lookup by Last Name
(4) Add an Employee
(5) Quit

Enter your choice: 5

Goodbye!

vinod:CS402-SP-Lab1-main vinod.selpol\$