# Молдавский Государственный Университет Факультет Математики и Информатики Департамент Информатики

Индивидуальная работа

[ Nº6 ]

по предмету Операционные системы

Проверила: Butnaru Mariana, lector universitar

Выполнил: студент группы I2302, Ciobanu Stanislav Igor

Кишинев, 2023

## Ход работы

#### Задание 1:

Перенести третью по счёту с конца строку в начало файла. Для начала при помощи команды sed -i "1i\\\$(cat query1 | tail -n 3 | head -n 1)" query1 копируем данную строку в начало файла. Затем используя sed -i "\$((\$(wc -l < query1) - 2))d" query1 удаляем оригинальную строку.

```
user@DESKTOP-NS2ETAK: ~/Lab6
                Q SMITH
                                           RESEARCH
                                                       DALLAS
7369 JOHN
                                                                 800
                              CLERK
                              SALESPERSON
                                                       CHICAGO
    KEVIN
                  ALLEN
                                           SALES
                                                                 1600
7499
7505 JEAN
                              MANAGER
                                           SALES
                                                       NEW-YORK
                                                                 2850
                  DOYLE
7506
     LYNN
                  DENNIS
                              MANAGER
                                           SALES
                                                       DALLAS
                                                                  2750
     LESLIE
                              MANAGER
                                                       NEW-YORK
7507
                  BAKER
                                           OPERATIONS
7521
     CYNTHIA
                D
                  WARD
                              SALESPERSON
                                           SALES
                                                       CHICAGO
7555
     DANIEL
                  PETERS
                              SALESPERSON
                                           SALES
                                                       NEW-YORK
7557
     KAREN
                  SHAW
                              SALESPERSON
                                           SALES
                                                       NEW-YORK
                                                                 1250
7560 SARAH
                  DUNCAN
                              SALESPERSON
                                           SALES
                                                       DALLAS
                                                                 1250
7564 GREGORY
                  LANGE
                              SALESPERSON
                                           SALES
                                                       DALLAS
                                                                 1250
7566
     TERRY
                  JONES
                              MANAGER
                                           RESEARCH
                                                       DALLAS
                                                                 2975
                             MANAGER
7569 CHRIS
                  ALBERTS
                                           RESEARCH
                                                       NEW-YORK
                                                                 3000
                              SALESPERSON
                                           SALES
                                                       NEW-YORK
7600 RAYMOND
                  PORTER
                                                                 1250
7609 RICHARD
                                                       DALLAS
                  LEWIS
                              STAFF
                                           OPERATIONS
                                                                 1800
                              SALESPERSON
7654 KENNETH
                  MARTIN
                                           SALES
                                                       CHICAGO
                                                                 1250
7676 DENISE
                  SOMMERS
                              STAFF
                                           OPERATIONS
                                                       CHICAGO
                                                                 1850
    MARION
                  BLAKE
                              MANAGER
                                           SALES
                                                       CHICAGO
7698
                                                                 2850
     CAROL
                              MANAGER
                  CLARK
                                           ACCOUNTING
                                                       NEW-YORK
                                                                 2450
7782
     DONALD
7788
                  SCOTT
                              ANALYST
                                           RESEARCH
                                                       DALLAS
7789 LIVIA
                  WEST
                              SALESPERSON
                                           SALES
                                                       DALLAS
7799
     MATTHEW
                  FISHER
                              ANALYST
                                           RESEARCH
                                                       NEW-YORK
7820 PAUL
                  ROSS
                              SALESPERSON
                                           SALES
                                                        BOSTON
                                                                  1300
7839 FRANCIS
                                                       NEW-YORK
                  KING
                              PRESIDENT
                                           ACCOUNTING
                                                                 5000
                                                       DALLAS
7876 DIANE
                  ADAMS
                              CLERK
                                           RESEARCH
                                                                  1100
7900 FRED
                  JAMES
                              CLERK
                                           SALES
                                                       CHICAGO
                                                                 950
7902 JENNIFER
                D
                  FORD
                              ANALYST
                                           RESEARCH
                                                       DALLAS
                                                                 3000
                  ROBERTS
                              ANALYST
                                           RESEARCH
                                                       NEW-YORK 2875
7916 GRACE
                                                       NEW-YORK
7919 MICHAEL
                  DOUGLAS
                              CLERK
                                           RESEARCH
                                                                 800
7934 BARBARA
                                           ACCOUNTING
                                                       NEW-YORK
                                                                 1300
                Μ
                  MILLER
                              CLERK
7950 ALICE
                В
                              CLERK
                                           SALES
                                                       NEW-YORK
                  JENSEN
                                                                 750
7954 JAMES
                              CLERK
                                           SALES
                                                       DALLAS
                  MURRAY
 ser@DESKTOP-NS2ETAK:~/Lab6$ sed -i "1i\\$(cat query1 | tail -n 3 | head -n 1)" query1
ser@DESKTOP-NS2ETAK:~/Lab6$ sed -i "$(($(wc -l < query1) - 2))d" query1</pre>
                2ETAK:~/Lab6$ cat query1
7934 BARBARA
                M MILLER
                              CLERK
                                           ACCOUNTING NEW-YORK 1300
7369
     JOHN
                  SMITH
                              CLERK
                                           RESEARCH
                                                       DALLAS
                                           SALES
7499 KEVIN
                  ALLEN
                              SALESPERSON
                                                       CHTCAGO
                                                                 1600
7505 JEAN
                  DOYLE
                              MANAGER
                                           SALES
                                                       NEW-YORK
                                                                 2850
                                                       DALLAS
7506
     LYNN
                  DENNIS
                             MANAGER
                                           SALES
                                                                 2750
                             MANAGER
                                                       NEW-YORK
7507 LESLIE
                D
                  BAKER
                                           OPERATIONS
                                                                 2200
                              SALESPERSON
                                                       CHICAGO
7521
     CYNTHIA
                D
                  WARD
                                           SALES
                                                                 1250
7555 DANIEL
                  PETERS
                              SALESPERSON
                                           SALES
                                                       NEW-YORK
                                                                 1250
     KAREN
                              SALESPERSON
                                           SALES
                                                       NEW-YORK
                                                                 1250
7557
                  SHAW
                  DUNCAN
     SARAH
                              SALESPERSON
                                           SALES
                                                       DALLAS
                                                                 1250
7560
                                                       DALLAS
7564
     GREGORY
                  LANGE
                              SALESPERSON
                                           SALES
                                                                 1250
                  JONES
                              MANAGER
                                                       DALLAS
7566
     TERRY
                                           RESEARCH
     CHRIS
                  ALBERTS
                              MANAGER
                                           RESEARCH
                                                        NEW-YORK
7600 RAYMOND
                  PORTER
                              SALESPERSON
                                           SALES
                                                        NEW-YORK
                                                                 1250
7609 RICHARD
                  LEWIS
                              STAFF
                                           OPERATIONS
                                                       DALLAS
                                                                  1800
                              SALESPERSON
7654 KENNETH
                  MARTIN
                                           SALES
                                                       CHICAGO
                                                                 1250
7676 DENISE
                D
                  SOMMERS
                              STAFF
                                           OPERATIONS
                                                       CHICAGO
                                                                 1850
7698 MARION
                  BI AKE
                              MANAGER
                                           SALES
                                                       CHICAGO
                                                                 2850
7782 CAROL
                             MANAGER
                                           ACCOUNTING
                  CLARK
                                                       NEW-YORK
                                                                 2450
7788 DONALD
                              ANALYST
                                           RESEARCH
                                                       DALLAS
                  SCOTT
                                                                 3000
                              SALESPERSON
                                                       DALLAS
7789 LIVIA
                                           SALES
                                                                 1500
                  WEST
                  FISHER
                                           RESEARCH
                                                       NEW-YORK
7799 MATTHEW
                              ANALYST
                                                                 3000
                                                       BOSTON
7820 PAUL
                  ROSS
                              SALESPERSON
                                           SALES
                                                                 1300
7839
     FRANCIS
                  KING
                              PRESIDENT
                                           ACCOUNTING
                                                       NEW-YORK
                                                                 5000
7876
     DIANE
                  ADAMS
                              CLERK
                                           RESEARCH
                                                       DALLAS
                                                                 1100
                                                        CHICAGO
7900
     FRED
                  JAMES
                              CLERK
                                           SALES
                                                                 950
7902 JENNIFER
                D
                  FORD
                              ANALYST
                                           RESEARCH
                                                       DALLAS
                                                                  3000
     GRACE
                  ROBERTS
                              ANALYST
                                           RESEARCH
                                                       NEW-YORK
                                                                 2875
7919 MICHAEL
                  DOUGLAS
                              CLERK
                                           RESEARCH
                                                       NEW-YORK 800
```

#### Задание 2:

Выбрать все строки, где операции были на сумму > 1000. Для этого используем cat| grep "^.\{86\}[1-9][0-9][0-9]" query1.

```
M MILLER
Q SMITH
                             CLERK
7934 BARBARA
                                          ACCOUNTING NEW-YORK 1300
7369 JOHN
7499 KEVIN
                             CLERK
                                          RESEARCH
                                                      DALLAS
                                                                800
                             SALESPERSON SALES
                  ALLEN
                                                      CHICAGO
                                                                1600
                             MANAGER
7505 JEAN
                 DOYLE
                                                      NEW-YORK 2850
7506 LYNN
                  DENNIS
                             MANAGER
                                          SALES
                                          OPERATIONS NEW-YORK
7507 LESLIE
               D BAKER
                             MANAGER
                                                                2200
                             SALESPERSON SALES
7521 CYNTHIA
                 WARD
                                                      CHICAGO
                                                               1250
7555 DANIEL
                  PETERS
                             SALESPERSON
                                          SALES
                                                      NEW-YORK
7557 KAREN
                  SHAW
                             SALESPERSON
                                          SALES
                             SALESPERSON SALES SALESPERSON SALES
7560 SARAH
                 DUNCAN
                                                      DALLAS
                                                                1250
                                                      DALLAS
7564 GREGORY
                  LANGE
                                                                1250
                  JONES
                                          RESEARCH
7566 TERRY
                             MANAGER
                                                      DALLAS
7569 CHRIS
                  ALBERTS
                             MANAGER
                                          RESEARCH
                                                      NEW-YORK
7600 RAYMOND
                  PORTER
                             SALESPERSON SALES
                                                      NEW-YORK 1250
                                          OPERATIONS DALLAS
7609 RICHARD
                  LEWIS
                             STAFF
                                                                1800
                  MARTIN
                             SALESPERSON SALES
7654 KENNETH
                                                      CHICAGO
                                                                1250
7676 DENISE
                  SOMMERS
                                          OPERATIONS CHICAGO
7698 MARION
                  BLAKE
                             MANAGER
                                                      CHICAGO
                                                                2850
7782 CAROL
                                          ACCOUNTING NEW-YORK 2450
                  CLARK
                             MANAGER
7788 DONALD
                             ANALYST
                                                      DALLAS
                  SCOTT
                                          RESEARCH
                                                                3000
7789 LIVIA
                  WEST
                             SALESPERSON
7799 MATTHEW
                  FISHER
                             ANALYST
                                          RESEARCH
                                                      NEW-YORK
7820 PAUL
                             SALESPERSON SALES
                  ROSS
                                                      BOSTON
                                                                1300
7839 FRANCIS
                  KING
                             PRESIDENT
                                          ACCOUNTING NEW-YORK 5000
7876 DIANE
                  ADAMS
                             CLERK
                                          RESEARCH
                                          SALES
RESEARCH
7900 FRED
                  JAMES
                             CLERK
                                                      CHICAGO
7902 JENNTEER
                  FORD
                             ANALYST
                                                      DALLAS
                                                                3000
                             ANALYST
7916 GRACE
                  ROBERTS
                                          RESEARCH
                                                      NEW-YORK 2875
7919 MICHAEL
                 DOUGLAS
                                          RESEARCH
                                                      NEW-YORK 800
                                                     NEW-YORK 750
DALLAS 750
7950 ALICE
                  JENSEN
                             CLERK
                                          SALES
                                          SALES
7954 JAMES
               T MURRAY
                             CLERK
                  TAK:~/Lab6$ cat | grep "^.\{86\[1-9][0-9][0-9][0-9]}" query2
grep: Unmatched \{
 20]+ Stopped
   TKB SPORT
VOLLYRITE
JUST TENNIS
EVERY MOUNTAIN
                                                        : CUPERTINO
: SANTA CLARA
: PALO ALTO
: SUNNYVALE
: HIBBING
                                                                          :NY:11210:5
:NY:11104:5
                                :2500 GARDNER RD.
:5000 85TH ST.
```

### Задание 3:

Для подсчёта групп пользуемся командой cat | awk '{print \$5}' query1 }| sort | uniq -c

```
cat | awk '{print $5}' query1 | sort | uniq -c
[5]+ Stopped
user@DESKTOP-NS2ETAK:~/Lab6$ cat query1
7934 BARBARA
             M MILLER CLERK
                                   ACCOUNTING NEW-YORK 1300
7369 JOHN
             Q SMITH
                        CLERK
                                   RESEARCH DALLAS
                                                      800
7499 KEVIN
             J ALLEN
                        SALESPERSON SALES
                                             CHICAGO 1600
7505 JEAN
             K DOYLE
                                             NEW-YORK 2850
                        MANAGER
                                   SALES
7506 LYNN
             S DENNIS
                        MANAGER
                                   SALES
                                             DALLAS
                                                      2750
7507 LESLIE
            D BAKER
                       MANAGER
                                  OPERATIONS NEW-YORK 2200
7521 CYNTHIA D WARD
                        SALESPERSON SALES CHICAGO 1250
7555 DANIEL
             T PETERS
                        SALESPERSON SALES
                                             NEW-YORK 1250
7557 KAREN
             P SHAW
                        SALESPERSON SALES
                                             NEW-YORK 1250
7560 SARAH
             S DUNCAN
                       SALESPERSON SALES
                                             DALLAS 1250
7564 GREGORY
           J LANGE
                        SALESPERSON SALES
                                             DALLAS
                                                      1250
7566 TERRY
             M JONES
                                   RESEARCH
                        MANAGER
                                             DALLAS
                                                      2975
                                   RESEARCH
7569 CHRIS
             L ALBERTS MANAGER
                                             NEW-YORK 3000
7600 RAYMOND Y PORTER SALESPERSON SALES
                                             NEW-YORK 1250
                        STAFF OPERATIONS DALLAS
7609 RICHARD
           M LEWIS
                                                      1800
             J MARTIN
7654 KENNETH
                        SALESPERSON SALES
                                             CHICAGO 1250
7676 DENISE
             D SOMMERS STAFF
                                  OPERATIONS CHICAGO 1850
7698 MARION S BLAKE
                                   SALES
                                            CHICAGO 2850
                       MANAGER
             F CLARK
7782 CAROL
                       MANAGER
                                   ACCOUNTING NEW-YORK 2450
             T SCOTT
                                             DALLAS
7788 DONALD
                        ANALYST
                                   RESEARCH
                                                      3000
                        SALESPERSON SALES
                                                      1500
7789 LIVIA
             N WEST
                                             DALLAS
7799 MATTHEW
           G FISHER ANALYST
                                   RESEARCH
                                             NEW-YORK 3000
            S ROSS
                        SALESPERSON SALES
7820 PAUL
                                             BOSTON
                                                      1300
7839 FRANCIS
            A KING
                        PRESIDENT ACCOUNTING NEW-YORK 5000
            G ADAMS
7876 DIANE
                        CLERK
                                   RESEARCH
                                             DALLAS
                                                      1100
            S JAMES
                                  SALES
                                             CHICAGO 950
7900 FRED
                       CLERK
7902 JENNIFER D FORD
                                   RESEARCH
                                             DALLAS
                        ANALYST
                                                      3000
                                             NEW-YORK 2875
7916 GRACE
             M ROBERTS ANALYST
                                   RESEARCH
7919 MICHAEL
             A DOUGLAS
                        CLERK
                                   RESEARCH
                                             NEW-YORK 800
                                  SALES
7950 ALICE
             B JENSEN
                        CLERK
                                             NEW-YORK 750
7954 JAMES
            T MURRAY
                        CLERK
                                  SALES
                                             DALLAS 750
user@DESKTOP-NS2ETAK:~/Lab6$ cat | awk '{print $5}' query1 | sort | uniq -c
     4 ANALYST
     7 CLERK
    7 MANAGER
    1 PRESIDENT
    10 SALESPERSON
```

2 STAFF

```
AK:~/Lab6$ cat query1
7934 BARBARA
               M MILLER
                           CLERK
                                       ACCOUNTING NEW-YORK 1300
7369 JOHN
               Q SMITH
                           CLERK
                                       RESEARCH
                                                  DALLAS
                                                            800
               J ALLEN
7499 KEVIN
                           SALESPERSON SALES
                                                   CHICAGO
                                                            1600
7505 JEAN
                                                            2850
               K DOYLE
                           MANAGER
                                       SALES
                                                   NEW-YORK
7506 LYNN
               S DENNIS
                           MANAGER
                                       SALES
                                                   DALLAS
                                                            2750
7507 LESLIE
               D BAKER
                           MANAGER
                                       OPERATIONS NEW-YORK 2200
7521 CYNTHIA
               D WARD
                           SALESPERSON SALES
                                                   CHICAGO
                                                            1250
7555 DANIEL
                           SALESPERSON SALES
                 PETERS
                                                   NEW-YORK 1250
7557 KAREN
               P SHAW
                           SALESPERSON SALES
                                                   NEW-YORK 1250
7560 SARAH
               S DUNCAN
                           SALESPERSON SALES
                                                   DALLAS
                                                            1250
7564 GREGORY
               J LANGE
                           SALESPERSON SALES
                                                   DALLAS
                                                            1250
7566 TERRY
               M JONES
                           MANAGER
                                       RESEARCH
                                                   DALLAS
                                                            2975
                           MANAGER
7569 CHRIS
               L ALBERTS
                                       RESEARCH
                                                   NEW-YORK 3000
               Y PORTER
7600 RAYMOND
                           SALESPERSON SALES
                                                   NEW-YORK
                                                            1250
7609 RICHARD
               M LEWIS
                           STAFF
                                       OPERATIONS DALLAS
                           SALESPERSON SALES
7654 KENNETH
               J MARTIN
                                                  CHICAGO
                                                            1250
7676 DENISE
               D SOMMERS
                           STAFF
                                       OPERATIONS CHICAGO
                                                            1850
7698 MARION
               S BLAKE
                           MANAGER
                                       SALES
                                                   CHICAGO
                                                            2850
7782 CAROL
               F CLARK
                           MANAGER
                                       ACCOUNTING NEW-YORK 2450
7788 DONALD
               T SCOTT
                           ANALYST
                                       RESEARCH
                                                   DALLAS
                                                            3000
7789 LIVIA
               N WEST
                           SALESPERSON SALES
                                                   DALLAS
                                                            1500
7799 MATTHEW
               G FISHER
                           ANALYST
                                       RESEARCH
                                                  NEW-YORK 3000
7820 PAUL
               S ROSS
                           SALESPERSON SALES
                                                   BOSTON
                                                            1300
7839 FRANCIS
               A KING
                                       ACCOUNTING NEW-YORK 5000
                           PRESIDENT
7876 DIANE
               G ADAMS
                           CLERK
                                       RESEARCH
                                                   DALLAS
                                                            1100
7900 FRED
               S JAMES
                           CLERK
                                       SALES
                                                   CHICAGO
                                                            950
7902 JENNIFER
              D FORD
                           ANALYST
                                       RESEARCH
                                                   DALLAS
                                                            3000
7916 GRACE
                                       RESEARCH
                                                   NEW-YORK 2875
               M ROBERTS
                           ANALYST
                           CLERK
                                                   NEW-YORK 800
7919 MICHAEL
               A DOUGLAS
                                       RESEARCH
7950 ALICE
               B JENSEN
                           CLERK
                                        SALES
                                                   NEW-YORK 750
7954 JAMES
                           CLERK
                                       SALES
                                                   DALLAS 750
               T MURRAY
user@DESKTOP-NS2ETAK:~/Lab6$ cat | grep -oP '(?<=^.{27}).*?(?=\s)' query1 | sort | uniq -c
      4 ANALYST
      7 CLERK
      7 MANAGER
      1 PRESIDENT
     10 SALESPERSON
      2 STAFF
```

# Задание 4:

Выбрать все строки, где зарплаты > 1000. Для этого используем cat| grep "^.\{59\}[1-9][0-9][0-9]" query1.

| 7934 BARBARA   | M  | MILLER   | CLERK  | ACCOUNTING  | NFW-YORK  | 1300  |
|--|--|--|--|---|---|---|
| 7369 JOHN  |  | SMITH  | CLERK  | RESEARCH  | DALLAS  | 800   |
| 7499 KEVIN   |  | ALLEN  | SALESPERSON  |   | CHICAGO   |   |
| 7505 JEAN  | K  | DOYLE  | MANAGER  | SALES   | NEW-YORK  |   |
| 7506 LYNN  |  | DENNIS   | MANAGER  | SALES   | DALLAS  |   |
| 7507 LESLIE  |  |  | MANAGER  | OPERATIONS  |   |   |
| 7521 CYNTHIA   |  |  | SALESPERSON  |   | CHICAGO   |   |
| 7555 DANIEL  |  |  | SALESPERSON  |   | NEW-YORK  |   |
| 7557 KAREN   | P  |  | SALESPERSON  |   | NEW-YORK  |   |
| 7560 SARAH   |  |  | SALESPERSON  |   |   | 1250  |
| 7564 GREGORY   |  |  | SALESPERSON  |   | DALLAS  | 1250  |
| 7566 TERRY   |  | JONES  | MANAGER  | RESEARCH  |   |   |
| 7569 CHRIS   |  | ALBERTS  |  | RESEARCH  |   |   |
| 7600 RAYMOND   |  | PORTER   |  |   | NEW-YORK  |   |
| 7609 RICHARD   |  |  | STAFF  | OPERATIONS  |   |   |
| 7654 KENNETH   |  |  | SALESPERSON  |   | CHICAGO   |   |
| 7676 DENISE  |  |  | STAFF  | OPERATIONS  |   |   |
| 7698 MARION  |  | BLAKE  | MANAGER  | SALES   | CHICAGO   |   |
| 7782 CAROL   |  | CLARK  | MANAGER  | ACCOUNTING  |   |   |
| 7788 DONALD  |  | SCOTT  | ANALYST  | RESEARCH  | DALLAS  | 3000  |
| 7789 LIVIA   |  | WEST   | SALESPERSON  |   | DALLAS  | 1500  |
| 7799 MATTHEW   |  |  | ANALYST  |   | NEW-YORK  |   |
| 7820 PAUL  |  | ROSS   | SALESPERSON  | SALES   | BOSTON  | 1300  |
| 7839 FRANCIS   | Α  | KING   | PRESIDENT  | ACCOUNTING  | NEW-YORK  | 5000  |
| 7876 DIANE   | G  | ADAMS  | CLERK  | RESEARCH  | DALLAS  | 1100  |
| 7900 FRED  | S  | JAMES  | CLERK  | SALES   | CHICAGO   | 950   |
| 7902 JENNIFER  | D  | FORD   | ANALYST  | RESEARCH  | DALLAS  | 3000  |
| 7916 GRACE   | М  | ROBERTS  | ANALYST  | RESEARCH  | NEW-YORK  | 2875  |
| 7919 MICHAEL   | Α  | DOUGLAS  | CLERK  | RESEARCH  | NEW-YORK  | 800   |
| 7950 ALICE   | R  | JENSEN   | CLERK  | CALEC   | NIELL MODIC   | 750   |
|  |  |  | CLERK  | SALES   | NEW-YORK  | /50   |
| 7954 JAMES   | Т  | MURRAY   | CLERK  | SALES   | DALLAS  | 750   |
| 7954 JAMES<br>user@DESKTOP-  | T<br>NS2   | MURRAY<br>ETAK:~/Lab   | CLERK<br>6\$ cat   grep  | SALES<br>"^.\{59\}  | DALLAS<br>[1-9][0-9]  | 750<br>][0-9][0-9]" query1  |
| 7954 JAMES<br>user@DESKTOP-<br>7934 BARBARA  | T<br>NS2<br>M  | MURRAY<br>ETAK:~/Labe<br>MILLER  | CLERK<br>5\$ cat   grep<br>CLERK   | SALES o "^.\{59\}  ACCOUNTING   | DALLAS<br>[1-9][0-9]<br>NEW-YORK  | 750<br>][0-9][0-9]" query1<br>1300  |
| <b>7954 JAMES</b><br>user@DESKTOP-<br>7934 BARBARA<br>7499 KEVIN   | T<br>NS2<br>M<br>J   | MURRAY<br>ETAK:~/Labe<br>MILLER<br>ALLEN   | CLERK<br>6\$ cat   grep<br>CLERK<br>SALESPERSON  | SALES O "^.\{59\}  ACCOUNTING SALES   | DALLAS<br>[1-9][0-9]<br>NEW-YORK<br>CHICAGO   | 750<br>][0-9][0-9]" query1<br>1300<br>1600  |
| 7954 JAMES<br>user@DESKTOP-<br>7934 BARBARA<br>7499 KEVIN<br>7505 JEAN   | NS2<br>M<br>M<br>J<br>K  | MURRAY<br>ETAK:~/Labe<br>MILLER<br>ALLEN<br>DOYLE  | CLERK<br>5\$ cat   grep<br>CLERK<br>SALESPERSON<br>MANAGER   | SALES O "^.\{59\}  ACCOUNTING SALES SALES   | DALLAS<br>[1-9][0-9]<br>NEW-YORK<br>CHICAGO<br>NEW-YORK   | 750<br>][0-9][0-9]" query1<br>1300<br>1600<br>2850  |
| 7954 JAMES<br>user@DESKTOP-<br>7934 BARBARA<br>7499 KEVIN<br>7505 JEAN<br>7506 LYNN  | T<br>NS2<br>M<br>J<br>K<br>S   | MURRAY ETAK:~/Labe MILLER ALLEN DOYLE DENNIS   | CLERK  5\$ cat   grep  CLERK  SALESPERSON  MANAGER  MANAGER  | SALES "^.\{59\}  ACCOUNTING SALES SALES SALES SALES   | DALLAS<br>[1-9][0-9]<br>NEW-YORK<br>CHICAGO<br>NEW-YORK<br>DALLAS   | 750<br>][0-9][0-9]" query1<br>1300<br>1600<br>2850<br>2750  |
| 7954 JAMES user@DESKTOP- 7934 BARBARA 7499 KEVIN 7505 JEAN 7506 LYNN 7507 LESLIE   | NS2<br>M<br>J<br>K<br>S<br>D   | MURRAY ETAK:~/Labe MILLER ALLEN DOYLE DENNIS BAKER   | CLERK  5\$ cat   greg  CLERK  SALESPERSON  MANAGER  MANAGER  MANAGER  MANAGER  | SALES  "^.\{59\}  ACCOUNTING SALES SALES SALES OPERATIONS   | DALLAS [1-9][0-9] NEW-YORK CHICAGO NEW-YORK DALLAS NEW-YORK   | 750<br>][0-9][0-9]" query1<br>1300<br>1600<br>2850<br>2750<br>2200  |
| 7954 JAMES user@DESKTOP- 7934 BARBARA 7499 KEVIN 7505 JEAN 7506 LYNN 7507 LESLIE 7521 CYNTHIA  | T<br>NS2<br>M<br>J<br>K<br>S<br>D  | MURRAY ETAK:~/Labe MILLER ALLEN DOYLE DENNIS BAKER WARD  | CLERK 6\$ cat   gre; CLERK SALESPERSON MANAGER MANAGER MANAGER SALESPERSON   | SALES  "^.\{59\}  ACCOUNTING SALES SALES SALES OPERATIONS SALES   | DALLAS [1-9][0-9] NEW-YORK CHICAGO NEW-YORK DALLAS NEW-YORK CHICAGO   | 750<br>][0-9][0-9]" query1<br>1300<br>1600<br>2850<br>2750<br>2200<br>1250  |
| 7954 JAMES usen@DESKTOP- 7934 BARBARA 7499 KEVIN 7505 JEAN 7506 LYNN 7507 LESLIE 7521 CYNTHIA 7555 DANIEL  | T<br>NS2<br>M<br>J<br>K<br>S<br>D<br>D                                     | MURRAY ETAK:~/Labe MILLER ALLEN DOYLE DENNIS BAKER WARD PETERS   | CLERK 6\$ cat   grey CLERK SALESPERSON MANAGER MANAGER MANAGER SALESPERSON SALESPERSON   | SALES  "^.\{59\}  ACCOUNTING SALES SALES SALES OPERATIONS SALES SALES SALES   | DALLAS [1-9][0-9] NEW-YORK CHICAGO NEW-YORK DALLAS NEW-YORK CHICAGO NEW-YORK  | 750<br>][0-9][0-9]" query1<br>1300<br>1600<br>2850<br>2750<br>2200<br>1250  |
| 7954 JAMES usen@DESKTOP- 7934 BARBARA 7499 KEVIN 7505 JEAN 7506 LYNN 7507 LESLIE 7521 CYNTHIA 7555 DANIEL 7557 KAREN   | T<br>NS2<br>M<br>J<br>K<br>S<br>D<br>T                                     | MURRAY ETAK:~/Labe MILLER ALLEN DOYLE DENNIS BAKER WARD PETERS SHAW  | CLERK 6\$ cat   greg CLERK SALESPERSON MANAGER MANAGER MANAGER SALESPERSON SALESPERSON SALESPERSON   | SALES O "^.\{59\}  ACCOUNTING SALES SALES SALES OPERATIONS SALES SALES SALES SALES  | DALLAS [1-9][0-9] NEW-YORK CHICAGO NEW-YORK DALLAS NEW-YORK CHICAGO NEW-YORK NEW-YORK   | 750<br>][0-9][0-9]" query1<br>1300<br>1600<br>2850<br>2750<br>2200<br>1250<br>1250  |
| 7954 JAMES usen@DESKTOP- 7934 BARBARA 7499 KEVIN 7505 JEAN 7506 LYNN 7507 LESLIE 7521 CYNTHIA 7555 DANIEL 7557 KAREN 7560 SARAH  | T<br>NS2<br>M<br>J<br>K<br>S<br>D<br>T<br>P                                | MURRAY ETAK:~/Labe MILLER ALLEN DOYLE DENNIS BAKER WARD PETERS SHAW DUNCAN   | CLERK 6\$ cat   greg CLERK SALESPERSON MANAGER MANAGER MANAGER SALESPERSON SALESPERSON SALESPERSON SALESPERSON SALESPERSON   | SALES O "^.\{59\}  ACCOUNTING SALES SALES SALES OPERATIONS SALES SALES SALES SALES SALES SALES  | DALLAS [1-9][0-9] NEW-YORK CHICAGO NEW-YORK DALLAS NEW-YORK CHICAGO NEW-YORK NEW-YORK DALLAS  | 750<br>][0-9][0-9]" query1<br>1300<br>1600<br>2850<br>2750<br>2200<br>1250<br>1250<br>1250  |
| 7954 JAMES user@DESKTOP- 7934 BARBARA 7499 KEVIN 7505 JEAN 7506 LYNN 7507 LESLIE 7521 CYNTHIA 7555 DANIEL 7557 KAREN 7560 SARAH 7564 GREGORY   | T<br>NS2<br>M<br>S<br>K<br>S<br>D<br>D<br>T<br>P<br>S                      | MURRAY ETAK: ~/ Labe MILLER ALLEN DOYLE DENNIS BAKER WARD PETERS SHAW DUNCAN LANGE   | CLERK 6\$ cat   greg CLERK SALESPERSON MANAGER MANAGER MANAGER SALESPERSON SALESPERSON SALESPERSON SALESPERSON SALESPERSON SALESPERSON SALESPERSON   | SALES O "^.\{59\} ACCOUNTING SALES SALES OPERATIONS SALES SALES SALES SALES SALES SALES SALES SALES   | DALLAS [1-9][0-9] NEW-YORK CHICAGO NEW-YORK DALLAS NEW-YORK CHICAGO NEW-YORK NEW-YORK NEW-YORK DALLAS DALLAS  | 750 ][0-9][0-9]" query1 1300 1600 2850 2750 2200 1250 1250 1250 1250  |
| 7954 JAMES user@DESKTOP- 7934 BARBARA 7499 KEVIN 7505 JEAN 7506 LYNN 7507 LESLIE 7521 CYNTHIA 7555 DANIEL 7557 KAREN 7560 SARAH 7564 GREGORY 7566 TERRY  | T<br>NS2<br>M<br>S<br>C<br>D<br>T<br>P<br>S<br>J<br>M                      | MURRAY ETAK: ~/ Labe MILLER ALLEN DOYLE DENNIS BAKER WARD PETERS SHAW DUNCAN LANGE JONES   | CLERK 6\$ cat   greg CLERK SALESPERSON MANAGER MANAGER MANAGER SALESPERSON SALESPERSON SALESPERSON SALESPERSON SALESPERSON MANAGER   | SALES O "^.\{59\} ACCOUNTING SALES SALES OPERATIONS SALES   | DALLAS [1-9][0-9] NEW-YORK CHICAGO NEW-YORK DALLAS NEW-YORK CHICAGO NEW-YORK NEW-YORK NEW-YORK DALLAS DALLAS DALLAS   | 750 ][0-9][0-9]" query1 1300 1600 2850 2750 2200 1250 1250 1250 1250 2975   |
| 7954 JAMES user@DESKTOP- 7934 BARBARA 7499 KEVIN 7505 JEAN 7506 LYNN 7507 LESLIE 7521 CYNTHIA 7555 DANIEL 7557 KAREN 7560 SARAH 7564 GREGORY 7566 TERRY 7569 CHRIS   | T NS2 M S S D D T P S M L  | MURRAY ETAK: ~/ Labe MILLER ALLEN DOYLE DENNIS BAKER WARD PETERS SHAW DUNCAN LANGE JONES ALBERTS   | CLERK 6\$ cat   greg CLERK SALESPERSON MANAGER MANAGER MANAGER SALESPERSON SALESPERSON SALESPERSON SALESPERSON SALESPERSON MANAGER MANAGER MANAGER   | SALES O"^.\{59\} ACCOUNTING SALES SALES OPERATIONS SALES SALES SALES SALES SALES SALES SALES RESEARCH RESEARCH  | DALLAS [1-9][0-9] NEW-YORK CHICAGO NEW-YORK DALLAS NEW-YORK CHICAGO NEW-YORK NEW-YORK NEW-YORK DALLAS DALLAS DALLAS NEW-YORK  | 750 ][0-9][0-9]" query1 1300 1600 2850 2750 2200 1250 1250 1250 1250 2975 3000  |
| 7954 JAMES user@DESKTOP- 7934 BARBARA 7499 KEVIN 7505 JEAN 7506 LYNN 7507 LESLIE 7521 CYNTHIA 7555 DANIEL 7557 KAREN 7560 SARAH 7564 GREGORY 7566 TERRY 7569 CHRIS 7600 RAYMOND  | T<br>NS22<br>M<br>K<br>S<br>D<br>D<br>T<br>P<br>P<br>S<br>J<br>M<br>L      | MURRAY ETAK:~/Labe MILLER ALLEN DOYLE DENNIS BAKER WARD PETERS SHAW DUNCAN LANGE JONES ALBERTS PORTER  | CLERK  5\$ cat   greg CLERK  SALESPERSON MANAGER MANAGER MANAGER SALESPERSON SALESPERSON SALESPERSON SALESPERSON MANAGER MANAGER MANAGER MANAGER SALESPERSON MANAGER SALESPERSON   | SALES  "^.\{59\} ACCOUNTING SALES SALES OPERATIONS SALES SALES SALES SALES SALES SALES SALES SALES RESEARCH RESEARCH SALES  | DALLAS [1-9][0-9] NEW-YORK CHICAGO NEW-YORK DALLAS NEW-YORK CHICAGO NEW-YORK DALLAS DALLAS DALLAS DALLAS NEW-YORK NEW-YORK  | 750 ][0-9][0-9]" query1 1300 1600 2850 2750 2200 1250 1250 1250 1250 2975 3000 1250   |
| 7954 JAMES user@DESKTOP- 7934 BARBARA 7499 KEVIN 7505 JEAN 7506 LYNN 7507 LESLIE 7521 CYNTHIA 7555 DANIEL 7557 KAREN 7560 SARAH 7564 GREGORY 7569 CHRIS 7600 RAYMOND 7609 RICHARD  | T<br>NS22<br>M<br>K<br>S<br>D<br>D<br>T<br>P<br>S<br>J<br>M<br>L<br>Y      | MURRAY ETAK:~/Labe MILLER ALLEN DOYLE DENNIS BAKER WARD PETERS SHAW DUNCAN LANGE JONES ALBERTS PORTER LEWIS  | CLERK  5\$ cat   grey CLERK  SALESPERSON MANAGER MANAGER MANAGER SALESPERSON STAFF   | SALES  "^.\{59\}  ACCOUNTING SALES SALES OPERATIONS SALES SALES SALES SALES SALES SALES SALES SALES SALES OPERATIONS OPERATIONS   | DALLAS [1-9][0-9] NEW-YORK CHICAGO NEW-YORK DALLAS NEW-YORK CHICAGO NEW-YORK NEW-YORK DALLAS DALLAS DALLAS DALLAS NEW-YORK NEW-YORK   | 750 ][0-9][0-9]" query1 1300 1600 2850 2750 2200 1250 1250 1250 1250 2975 3000 1250 1800  |
| 7954 JAMES usen@DESKTOP- 7934 BARBARA 7499 KEVIN 7505 JEAN 7506 LYNN 7507 LESLIE 7521 CYNTHIA 7555 DANIEL 7557 KAREN 7560 SARAH 7564 GREGORY 7566 TERRY 7569 CHRIS 7600 RAYMOND 7609 RICHARD 7654 KENNETH  | T<br>NS22<br>M<br>K<br>S<br>D<br>D<br>T<br>P<br>S<br>J<br>M<br>L<br>Y<br>M | MURRAY ETAK: ~/ Labo MILLER ALLEN DOYLE DENNIS BAKER WARD PETERS SHAW DUNCAN LANGE JONES ALBERTS PORTER LEWIS MARTIN   | CLERK  5\$ cat   grey CLERK  SALESPERSON MANAGER MANAGER MANAGER SALESPERSON SALESPERSON SALESPERSON SALESPERSON MANAGER MANAGER SALESPERSON MANAGER SALESPERSON STAFF SALESPERSON STAFF   | SALES  "^.\{59\}  ACCOUNTING SALES SALES SALES OPERATIONS SALES SALES SALES SALES SALES SALES SALES SALES OPERATIONS SALES OPERATIONS SALES   | DALLAS [1-9][0-9] NEW-YORK CHICAGO NEW-YORK DALLAS NEW-YORK CHICAGO NEW-YORK DALLAS DALLAS DALLAS DALLAS NEW-YORK NEW-YORK DALLAS CHICAGO   | 750 ][0-9][0-9]" query1 1300 1600 2850 2750 2200 1250 1250 1250 1250 2975 3000 1250 1800 1250   |
| 7954 JAMES usen@DESKTOP- 7934 BARBARA 7499 KEVIN 7505 JEAN 7506 LYNN 7507 LESLIE 7521 CYNTHIA 7555 DANIEL 7557 KAREN 7560 SARAH 7564 GREGORY 7566 TERRY 7569 CHRIS 7600 RAYMOND 7609 RICHARD 7654 KENNETH 7676 DENISE  | T NS2 M J K S D D T P S J M L L Y M D D D D D D D D D D D D D D D D D D    | MURRAY ETAK: ~/ Labe MILLER ALLEN DOYLE DENNIS BAKER WARD PETERS SHAW DUNCAN LANGE JONES ALBERTS PORTER LEWIS MARTIN SOMMERS   | CLERK  5\$ cat   grey CLERK  SALESPERSON MANAGER MANAGER MANAGER SALESPERSON SALESPERSON SALESPERSON SALESPERSON MANAGER MANAGER SALESPERSON MANAGER SALESPERSON STAFF SALESPERSON STAFF   | SALES  "^.\{59\}  ACCOUNTING SALES SALES SALES OPERATIONS SALES SALES SALES SALES SALES SALES SALES OPERATIONS SALES OPERATIONS SALES OPERATIONS  | DALLAS [1-9][0-9] NEW-YORK CHICAGO NEW-YORK DALLAS NEW-YORK NEW-YORK DALLAS DALLAS DALLAS DALLAS DALLAS CHICAGO NEW-YORK DALLAS CHICAGO CHICAGO CHICAGO   | 750 ][0-9][0-9]" query1 1300 1600 2850 2750 2200 1250 1250 1250 1250 2975 3000 1250 1850 1850   |
| 7954 JAMES usen@DESKTOP- 7934 BARBARA 7499 KEVIN 7505 JEAN 7506 LYNN 7507 LESLIE 7521 CYNTHIA 7555 DANIEL 7557 KAREN 7560 SARAH 7564 GREGORY 7566 TERRY 7569 CHRIS 7600 RAYMOND 7609 RICHARD 7654 KENNETH 7676 DENISE 7698 MARION  | T NS2 M S S D D T P S S D M L Y M D D S                                    | MURRAY ETAK: ~/ Labe MILLER ALLEN DOYLE DENNIS BAKER WARD PETERS SHAW DUNCAN LANGE JONES ALBERTS PORTER LEWIS MARTIN SOMMERS BLAKE   | CLERK  5\$ cat   greg CLERK  SALESPERSON MANAGER MANAGER MANAGER SALESPERSON SALESPERSON SALESPERSON SALESPERSON MANAGER MANAGER MANAGER MANAGER SALESPERSON STAFF SALESPERSON STAFF MANAGER   | SALES  "^.\{59\} ACCOUNTING SALES OPERATIONS SALES OPERATIONS SALES OPERATIONS SALES  | DALLAS [1-9][0-9] NEW-YORK CHICAGO NEW-YORK DALLAS NEW-YORK NEW-YORK DALLAS DALLAS DALLAS DALLAS DALLAS CHICAGO CHICAGO CHICAGO CHICAGO   | 750  [0-9][0-9]" query1  1300  1600  2850  2750  2200  1250 |
| 7954 JAMES usen@DESKTOP- 7934 BARBARA 7499 KEVIN 7505 JEAN 7506 LYNN 7507 LESLIE 7521 CYNTHIA 7555 DANIEL 7557 KAREN 7560 SARAH 7564 GREGORY 7566 TERRY 7569 CHRIS 7600 RAYMOND 7609 RICHARD 7654 KENNETH 7676 DENISE  | TNS2<br>M J<br>K S D D T<br>P P S J<br>M L<br>Y M D D S F                  | MURRAY ETAK: ~/ Labe MILLER ALLEN DOYLE DENNIS BAKER WARD PETERS SHAW DUNCAN LANGE JONES ALBERTS PORTER LEWIS MARTIN SOMMERS BLAKE CLARK                                   | CLERK  5\$ cat   greg CLERK  SALESPERSON MANAGER MANAGER MANAGER SALESPERSON SALESPERSON SALESPERSON SALESPERSON MANAGER MANAGER MANAGER MANAGER SALESPERSON STAFF MANAGER MANAGER MANAGER MANAGER MANAGER MANAGER MANAGER MANAGER   | SALES  "^.\{59\} ACCOUNTING SALES SALES SALES OPERATIONS SALES SALES SALES SALES SALES SALES SALES SALES SALES OPERATIONS SALES OPERATIONS SALES OPERATIONS SALES ACCOUNTING  | DALLAS [1-9][0-9] NEW-YORK CHICAGO NEW-YORK DALLAS NEW-YORK NEW-YORK DALLAS DALLAS DALLAS DALLAS DALLAS CHICAGO NEW-YORK NEW-YORK OHICAGO CHICAGO NEW-YORK  | 750 ][0-9][0-9]" query1 1300 1600 2850 2750 2200 1250 1250 1250 1250 2975 3000 1250 1800 1250 1850 2850 2450  |
| 7954 JAMES user@DESKTOP- 7934 BARBARA 7499 KEVIN 7505 JEAN 7506 LYNN 7507 LESLIE 7521 CYNTHIA 7557 KAREN 7560 SARAH 7564 GREGORY 7566 TERRY 7569 CHRIS 7600 RAYMOND 7609 RICHARD 7654 KENNETH 7676 DENISE 7698 MARION 7782 CAROL   | TNS2<br>M J<br>K S D D T<br>P P S J<br>M L<br>Y M D D S F<br>T             | MURRAY ETAK: ~/ Labe MILLER ALLEN DOYLE DENNIS BAKER WARD PETERS SHAW DUNCAN LANGE JONES ALBERTS PORTER LEWIS MARTIN SOMMERS BLAKE CLARK SCOTT                             | CLERK  5\$ cat   greg CLERK  SALESPERSON MANAGER MANAGER MANAGER SALESPERSON SALESPERSON SALESPERSON SALESPERSON MANAGER MANAGER MANAGER MANAGER SALESPERSON STAFF SALESPERSON STAFF MANAGER   | SALES  "^.\{59\} ACCOUNTING SALES SALES OPERATIONS SALES OPERATIONS SALES OPERATIONS SALES OPERATIONS SALES OPERATIONS SALES ACCOUNTING RESEARCH  | DALLAS [1-9][0-9] NEW-YORK CHICAGO NEW-YORK DALLAS NEW-YORK NEW-YORK DALLAS DALLAS DALLAS DALLAS DALLAS CHICAGO CHICAGO CHICAGO CHICAGO   | 750 ][0-9][0-9]" query1 1300 1600 2850 2750 2200 1250 1250 1250 1250 2975 3000 1250 1850 2850 2450 3000   |
| 7954 JAMES  user@DESKTOP- 7934 BARBARA 7499 KEVIN 7505 JEAN 7506 LYNN 7507 LESLIE 7521 CYNTHIA 7557 KAREN 7560 SARAH 7564 GREGORY 7566 TERRY 7569 CHRIS 7600 RAYMOND 7609 RICHARD 7654 KENNETH 7676 DENISE 7698 MARION 7782 CAROL 7788 DONALD  | TNS22MMJKSSDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD                              | MURRAY ETAK: ~/ Labe MILLER ALLEN DOYLE DENNIS BAKER WARD PETERS SHAW DUNCAN LANGE JONES ALBERTS PORTER LEWIS MARTIN SOMMERS BLAKE CLARK                                   | CLERK  5\$ cat   greg CLERK  SALESPERSON MANAGER MANAGER MANAGER SALESPERSON SALESPERSON SALESPERSON SALESPERSON MANAGER MANAGER MANAGER MANAGER SALESPERSON STAFF SALESPERSON STAFF MANAGER ANALYST   | SALES  "^.\{59\} ACCOUNTING SALES SALES OPERATIONS SALES SALES SALES SALES SALES SALES SALES SALES SALES OPERATIONS SALES OPERATIONS SALES OPERATIONS SALES OPERATIONS SALES ACCOUNTING RESEARCH  | DALLAS [1-9][0-9] NEW-YORK CHICAGO NEW-YORK DALLAS NEW-YORK NEW-YORK DALLAS DALLAS DALLAS DALLAS DALLAS CHICAGO CHICAGO NEW-YORK DALLAS CHICAGO CHICAGO NEW-YORK DALLAS DALLAS  | 750 ][0-9][0-9]" query1 1300 1600 2850 2750 2200 1250 1250 1250 1250 2975 3000 1250 1850 2850 2450 3000 1500  |
| 7954 JAMES user@DESKTOP- 7934 BARBARA 7499 KEVIN 7505 JEAN 7506 LYNN 7507 LESLIE 7521 CYNTHIA 7555 DANIEL 7557 KAREN 7560 SARAH 7564 GREGORY 7566 TERRY 7569 CHRIS 7600 RAYMOND 7609 RICHARD 7654 KENNETH 7676 DENISE 7698 MARION 7782 CAROL 7788 DONALD 7789 LIVIA                          | TNS22MMJKSSDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD                              | MURRAY ETAK: ~/ Labe MILLER ALLEN DOYLE DENNIS BAKER WARD PETERS SHAW DUNCAN LANGE JONES ALBERTS PORTER LEWIS MARTIN SOMMERS BLAKE CLARK SCOTT WEST                        | CLERK  5\$ cat   greg CLERK  SALESPERSON MANAGER | SALES  "^.\{59\}  ACCOUNTING SALES SALES SALES OPERATIONS SALES RESEARCH RESEARCH SALES OPERATIONS SALES OPERATIONS SALES ACCOUNTING RESEARCH SALES RESEARCH            | DALLAS [1-9][0-9] NEW-YORK CHICAGO NEW-YORK DALLAS NEW-YORK NEW-YORK DALLAS DALLAS DALLAS DALLAS DALLAS OBW-YORK NEW-YORK OBW-YORK OBW-YORK OBW-YORK OBW-YORK DALLAS OCHICAGO CHICAGO NEW-YORK DALLAS   | 750 ][0-9][0-9]" query1 1300 1600 2850 2750 2200 1250 1250 1250 1250 2975 3000 1250 1850 2850 2450 3000 1500  |
| 7954 JAMES  user@DESKTOP- 7934 BARBARA 7499 KEVIN 7505 JEAN 7506 LYNN 7507 LESLIE 7521 CYNTHIA 7555 DANIEL 7557 KAREN 7560 SARAH 7564 GREGORY 7566 TERRY 7569 CHRIS 7600 RAYMOND 7609 RICHARD 7654 KENNETH 7676 DENISE 7698 MARION 7782 CAROL 7788 DONALD 7789 LIVIA 7799 MATTHEW            | TNS22MMSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSS                                   | MURRAY ETAK: ~/ Labe MILLER ALLEN DOYLE DENNIS BAKER WARD PETERS SHAW DUNCAN LANGE JONES ALBERTS PORTER LEWIS MARTIN SOMMERS BLAKE CLARK SCOTT WEST FISHER                 | CLERK  5\$ cat   grey CLERK  SALESPERSON MANAGER MANAGER MANAGER SALESPERSON SALESPERSON SALESPERSON SALESPERSON SALESPERSON SALESPERSON SALESPERSON SALESPERSON STAFF SALESPERSON STAFF MANAGER MANAGER MANAGER MANAGER ANALYST SALESPERSON ANALYST   | SALES  "^.\{59\}  ACCOUNTING SALES SALES SALES OPERATIONS SALES RESEARCH RESEARCH SALES OPERATIONS SALES OPERATIONS SALES ACCOUNTING RESEARCH SALES RESEARCH            | DALLAS [1-9][0-9] NEW-YORK CHICAGO NEW-YORK DALLAS NEW-YORK NEW-YORK DALLAS DALLAS DALLAS DALLAS DALLAS CHICAGO NEW-YORK DALLAS DALLAS NEW-YORK DALLAS DALLAS DALCAS | 750 ][0-9][0-9]" query1 1300 1600 2850 2750 2200 1250 1250 1250 1250 1250 1250 12   |
| 7954 JAMES USEN@DESKTOP- 7934 BARBARA 7499 KEVIN 7595 JEAN 7596 LYNN 7597 LESLIE 7521 CYNTHIA 7555 DANIEL 7557 KAREN 7560 SARAH 7564 GREGORY 7569 CHRIS 7609 RICHARD 7654 KENNETH 7676 DENISE 7698 MARION 7782 CAROL 7788 DONALD 7789 LIVIA 7799 MATTHEW 7820 PAUL                           | TNS22MMSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSS                                   | MURRAY ETAK: ~/ Labe MILLER ALLEN DOYLE DENNIS BAKER WARD PETERS SHAW DUNCAN LANGE JONES ALBERTS PORTER LEWIS MARTIN SOMMERS BLAKE CLARK SCOTT WEST FISHER ROSS            | CLERK  5\$ cat   grey CLERK  SALESPERSON MANAGER MANAGER SALESPERSON SALESPERSON SALESPERSON SALESPERSON MANAGER MANAGER SALESPERSON SALESPERSON SALESPERSON STAFF SALESPERSON STAFF MANAGER MANAGER ANALYST SALESPERSON ANALYST SALESPERSON ANALYST SALESPERSON ANALYST SALESPERSON ANALYST SALESPERSON   | SALES  "^.\{59\} ACCOUNTING SALES SALES SALES OPERATIONS SALES SALES SALES SALES SALES SALES SALES SALES OPERATIONS SALES OPERATIONS SALES OPERATIONS SALES OPERATIONS SALES ACCOUNTING RESEARCH SALES RESEARCH SALES RESEARCH SALES  | DALLAS [1-9][0-9] NEW-YORK CHICAGO NEW-YORK DALLAS NEW-YORK NEW-YORK DALLAS DALLAS DALLAS DALLAS DALLAS CHICAGO NEW-YORK DALLAS DALLAS NEW-YORK DALLAS DALLAS DALCAS | 750 ][0-9][0-9]" query1 1300 1600 2850 2750 2200 1250 1250 1250 1250 1250 1250 12   |
| 7954 JAMES USEN®DESKTOP- 7934 BARBARA 7499 KEVIN 7505 JEAN 7506 LYNN 7507 LESLIE 7521 CYNTHIA 7555 DANIEL 7557 KAREN 7560 SARAH 7564 GREGORY 7566 TERRY 7569 CHRIS 7609 RICHARD 7654 KENNETH 7676 DENISE 7698 MARION 7782 CAROL 7788 DONALD 7789 LIVIA 7799 MATTHEW 7820 PAUL 7839 FRANCIS   | TNS22MMSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSS                                   | MURRAY ETAK: ~/ Labe MILLER ALLEN DOYLE DENNIS BAKER WARD PETERS SHAW DUNCAN LANGE JONES ALBERTS PORTER LEWIS MARTIN SOMMERS BLAKE CLARK SCOTT WEST FISHER ROSS KING       | CLERK  5\$ cat   grey CLERK  SALESPERSON MANAGER MANAGER MANAGER SALESPERSON SALESPERSON SALESPERSON SALESPERSON SALESPERSON SALESPERSON SALESPERSON SALESPERSON STAFF SALESPERSON STAFF MANAGER MANALYST SALESPERSON PRESIDENT  | SALES  "^.\{59\} ACCOUNTING SALES RESEARCH RESEARCH SALES OPERATIONS SALES ACCOUNTING RESEARCH SALES ACCOUNTING RESEARCH SALES ACCOUNTING RESEARCH RESEARCH RESEARCH RESEARCH | DALLAS [1-9][0-9] NEW-YORK CHICAGO NEW-YORK DALLAS NEW-YORK NEW-YORK DALLAS DALLAS DALLAS DALLAS CHICAGO CHICAGO CHICAGO CHICAGO CHICAGO CHICAGO CHICAGO CHICAGO CHICAGO NEW-YORK DALLAS NEW-YORK DALLAS NEW-YORK DALLAS NEW-YORK DALLAS NEW-YORK DALLAS NEW-YORK DALLAS NEW-YORK   | 750 ][0-9][0-9]" query1 1300 1600 2850 2750 2200 1250 1250 1250 1250 1250 1250 12   |
| 7954 JAMES USEN®DESKTOP- 7934 BARBARA 7499 KEVIN 7505 JEAN 7506 LYNN 7507 LESLIE 7521 CYNTHIA 7555 DANIEL 7557 KAREN 7560 SARAH 7564 GREGORY 7560 RAYMOND 7609 RICHARD 7654 KENNETH 7676 DENISE 7698 MARION 7782 CAROL 7788 DONALD 7789 LIVIA 7799 MATTHEW 7820 PAUL 7839 FRANCIS 7876 DIANE | TNS22MM S S S D D D T P P S S J M L Y M M S S F T N N G S S A G G          | MURRAY ETAK: ~/ Labe MILLER ALLEN DOYLE DENNIS BAKER WARD PETERS SHAW DUNCAN LANGE JONES ALBERTS PORTER LEWIS MARTIN SOMMERS BLAKE CLARK SCOTT WEST FISHER ROSS KING ADAMS | CLERK  5\$ cat   greace CLERK  SALESPERSON MANAGER MANAGER MANAGER SALESPERSON SALESPERSON SALESPERSON SALESPERSON MANAGER MANALYST SALESPERSON PRESIDENT CLERK  | SALES  "^.\{59\} ACCOUNTING SALES ACES ACCOUNTING RESEARCH SALES ACCOUNTING RESEARCH SALES ACCOUNTING RESEARCH SALES ACCOUNTING RESEARCH  | DALLAS [1-9][0-9] NEW-YORK CHICAGO NEW-YORK DALLAS NEW-YORK NEW-YORK DALLAS DALLAS DALLAS DALLAS CHICAGO CHICAGO CHICAGO CHICAGO CHICAGO CHICAGO CHICAGO CHICAGO CHICAGO NEW-YORK DALLAS DALLAS NEW-YORK DALLAS DALLAS DALLAS CHICAGO CHICAGO CHICAGO NEW-YORK DALLAS   | 750 ][0-9][0-9]" query1 1300 1600 2850 2750 2200 1250 1250 1250 1250 1250 1250 12   |

**Задание 4:**Выбрать строки у которых мин цена != 15 а макс цена != 20. Используем команду cat | grep -v "^.\{36\}20" query3 | grep -v "^.\{43\}15"

| 103128:YELLOW JERSEY SADDLE PACK 102136!RH: "GUIDE TO CYCLING" | !10<br>!3.4 | !8<br>!2.8 | !13-NUV-90<br>!18-AUG-89              |
|--|-------------|------------|---------------------------------------|
|  |             |            | 36\}20" query3   grep -v "^.\{43\}15" |
| -  | 51 CP V     |            | !01-JAN-89                            |
|  | !35         | !28        | !01-JUN-90                            |
|  | !45         | !36        | !01-JUN-90                            |
|  | 12.8        | 12.4       | !01-JAN-90                            |
|  | !5.6        | 14.8       | !01-JAN-90                            |
|  | !24         | !18        | !15-FEB-89                            |
|  | 12.5        | 19.4       | !15-FEB-89                            |
|  |             | !2.8       | !18-AUG-89                            |
|  |             |            | !15-NOV-90                            |
|  | !4          | !3.2       | !15-NOV-90                            |
|  | !25         | !20        | !01-JUN-90                            |
|  | !30         | !24        | !01-JUN-90                            |
|  | !4.2        |            | !01-JAN-90                            |
| •  |             |            | !01-JAN-90                            |
| 102132!RH: "GUIDE TO SOFTBALL"                                 |             | !2.8       | !18-AUG-89                            |
|  | !44         | !35.3      | !01-JUN-90                            |
| 104351!DUNK BASKETBALL OUTDOOR                                 |             | 120.8      | !01-JUN-90                            |
| 104352!DUNK BASKETBALL PROFESSIONAL                            | !58.3       | !40.8      | !01-JUN-90                            |
| 104360!DUNK HOOP   | !39         | !32        | !01-JAN-90                            |
| 104361!DUNK HOOP W/FIBERGLASS BOARD                            | !50         | !35        | !01-JAN-90                            |
| 104362!DUNK NETS - RAINBOW                                     | !5          | !4         | !15-FEB-89                            |
| 102134!RH: "GUIDE TO BASKETBALL"                               | !3.4        | 12.8       | !18-AUG-89                            |
| 105123!YELLOW JERSEY BICYCLE HELMET                            | !40         | !34        | !01-JUN-90                            |
| 105124!YELLOW JERSEY BICYCLE GLOVES                            | !15         | !10        | !01-JUN-90                            |
| 105125!YELLOW JERSEY WATER BOTTLE                              | !3          | !2.6       | !01-JAN-90                            |
| 105126!YELLOW JERSEY BOTTLE CAGE                               | !6          | !5         | !01-JAN-90                            |
| 105127!YELLOW JERSEY FRAME PUMP                                | !6          | !5         | !15-NOV-90                            |
| 105128!YELLOW JERSEY SADDLE PACK                               | !10         | !8         | !15-NOV-90                            |
| 102136!RH: "GUIDE TO CYCLING"                                  | !3.4        | 12.8       | !18-AUG-89                            |
|  |             |            |                                       |
|  |             |            |                                       |
|  |             |            |                                       |