

# Corrections for *Murach's Structured COBOL*

## How to tell which printing your book is in

Below the copyright notation on the back of the title page (page ii), you'll find a series of numbers like this:

10 9 8 7 6 5 4 3

The number on the right of this sequence tells which printing your book is. In this example, it's in the third printing, which is the latest printing for this book (March 2003).

In the pages that follow, please watch to make sure that you're reading the corrections that apply to your printing of the book. They are in reverse sequence (from the latest printing to the first printing), and each printing starts on a new page. For each printing, the CD ROM corrections are first, followed by the corrections for the printed pages.

## Corrections to the third printing

No corrections have been reported for either the text or the CD.

# Corrections to the second printing

## Corrections to the CD ROM for the second printing

### The missing tbl1000.cbl file for exercise 10-5

This code that follows is the code for the tbl1000.cbl file that you need when you start exercise 10-5. If you want a copy of this file, please e-mail [mike@murach.com](mailto:mike@murach.com) so I can send you the file as an e-mail attachment. Then, you can copy the file to both the c:\cobol and c:\cobol\chap10 folders.

```
identification division.
program-id. tbl1000.

environment division.
input-output section.

file-control.
    select ratetab  assign to "c:\cobol\data\ratetab.dat".
    select ratelist assign to "c:\cobol\data\ratelist.prn".

data division.
file section.

fd  ratetab.
01  rate-table-record.

    05  rt-low-age          pic 99.
    05  rt-high-age         pic 99.
    05  rt-class-group     occurs 4 times.
        10  rt-class-number pic 99.
        10  rt-insurance-rate pic s99v99.

fd  ratelist.
01  print-area             pic x(40).

working-storage section.

01  switches.
    05  end-of-session-switch pic x      value "n".
        88  end-of-session          value "Y" "y".
    05  rate-table-eof-switch pic x      value "n".
        88  rate-table-eof          value "y".

01  subscripts             comp.
    05  class-sub          pic s9.

01  entry-fields.
    05  ef-age             pic 99.
    05  ef-class-number   pic 99.

01  display-fields.
    05  df-insurance-rate pic zz.99.

01  rate-table.
    05  age-group          occurs 6 times
```

```

                                indexed by age-index.
10  low-age                      pic 99.
10  high-age                     pic 99.
10  class-group                 occurs 4 times
                                indexed by class-index.
                                15  class-number   pic 99.
                                15  insurance-rate  pic s99v99.

01  age-rate-line.
05  ar-low-age                  pic 99.
05  filler                      pic x          value "--".
05  ar-high-age                 pic 99.
05  filler                      pic x(3)       value space.
05  ar-class-data              occurs 4 times.
05  ar-insurance-rate          pic z9.99.
05  filler                      pic x(3)       value space.

```

procedure division.

000-display-insurance-rates.

```

open input  ratetab
output ratelist.
perform 100-load-rate-table.
perform 200-display-insurance-rate
until end-of-session.
perform 300-print-rate-table.
close ratetab
ratelist.
stop run.

```

100-load-rate-table.

200-display-insurance-rate.

```

display "-----".
display "End session?".
accept end-of-session-switch.
display "-----".
if not end-of-session
display "Testing 200-display-insurance rate."
display "The accept, search, and display logic go here.".

```

210-get-client-age.

```

display "Enter client age (99).".
accept ef-age.

```

220-search-age-group.

230-get-client-class.

```

display "Enter client class (99).".
accept ef-class-number.

```

240-search-client-class.

300-print-rate-table.

### **The Invmast file that's used by two exercises**

After you install the files from the book's CD onto your PC, use your Explorer to display the files in the c:\cobol\data folder. Then, rename the file named Invmast.dat to Invmasts.dat. This file is used by Exercise 14-1 and 15-1.

### **Corrections to the second printing of the book**

No errors have been reported.

## Corrections to the first printing

### Corrections to the CD ROM for the first printing

#### The missing tbl1000.cbl file for exercise 10-5

This code that follows is the code for the tbl1000.cbl file that you need when you start exercise 10-5. If you want a copy of this file, please e-mail [mike@murach.com](mailto:mike@murach.com) so I can send you the file as an e-mail attachment. Then, you can copy the file to both the c:\cobol and c:\cobol\chap10 folders.

```
identification division.
program-id. tbl1000.

environment division.
input-output section.

file-control.
    select ratetab  assign to "c:\cobol\data\ratetab.dat".
    select ratelist assign to "c:\cobol\data\ratelist.prn".

data division.
file section.

fd  ratetab.
01  rate-table-record.

    05  rt-low-age          pic 99.
    05  rt-high-age         pic 99.
    05  rt-class-group      occurs 4 times.
        10  rt-class-number pic 99.
        10  rt-insurance-rate pic s99v99.

fd  ratelist.
01  print-area            pic x(40).

working-storage section.

01  switches.
    05  end-of-session-switch  pic x          value "n".
        88  end-of-session      value "Y" "y".
    05  rate-table-eof-switch  pic x          value "n".
        88  rate-table-eof      value "y".

01  subscripts            comp.
    05  class-sub         pic s9.

01  entry-fields.
    05  ef-age            pic 99.
    05  ef-class-number  pic 99.

01  display-fields.
    05  df-insurance-rate pic zz.99.

01  rate-table.
```

```

05 age-group                occurs 6 times
                           indexed by age-index.
    10 low-age              pic 99.
    10 high-age             pic 99.
    10 class-group         occurs 4 times
                           indexed by class-index.
        15 class-number    pic 99.
        15 insurance-rate  pic s99v99.

01 age-rate-line.
    05 ar-low-age          pic 99.
    05 filler              pic x          value "-".
    05 ar-high-age        pic 99.
    05 filler              pic x(3)       value space.
    05 ar-class-data      occurs 4 times.
        10 ar-insurance-rate pic z9.99.
        10 filler          pic x(3)       value space.

```

procedure division.

000-display-insurance-rates.

```

open input  ratetab
           output ratelist.
perform 100-load-rate-table.
perform 200-display-insurance-rate
           until end-of-session.
perform 300-print-rate-table.
close ratetab
           ratelist.
stop run.

```

100-load-rate-table.

200-display-insurance-rate.

```

display "-----".
display "End session?".
accept end-of-session-switch.
display "-----".
if not end-of-session
    display "Testing 200-display-insurance rate."
    display "The accept, search, and display logic go here.".

```

210-get-client-age.

```

display "Enter client age (99).".
accept ef-age.

```

220-search-age-group.

230-get-client-class.

```

display "Enter client class (99).".
accept ef-class-number.

```

240-search-client-class.

### **300-print-rate-table.**

#### **The Invmast file that's used by two exercises**

After you install the files from the book's CD onto your PC, use your Explorer to display the files in the c:\cobol\data folder. Then, rename the file named Invmast.dat to Invmasts.dat. This file is used by Exercise 14-1 and 15-1.

#### **The chapter 17 programs**

This has no effect on the exercises or projects, but if you want to run the two programs presented in chapter 17, you need to fix one Select statement in each program. These programs can be found in the c:\cobol\programs folder. If you don't already know how to do the instructions that follow, you can do them after you complete the first three chapters in the book.

First, open the program named INQ1000.CBL and change the Select statement for the INVMAST file so it points to c:\cobol\data\invmasti.dat. Then, open the program named MNT1000.CBL and repeat this procedure for the Select statement for its INVMAST file.

#### **Corrections to the first printing of the book**

These are the corrections for the significant errors in the first printing of the book. In addition, there are some obvious typos and formatting errors that aren't listed here. All types of corrections will be made in the second printing of the book.

#### **Chapter 11, page 361**

The first three words in the third heading should be changed from "A copy member" to "A Copy statement."

#### **Chapter 13, pages 420-433**

The specifications for the sequential maintenance program say that the record for a single item number can be deleted, added back, and then changed. The program, however, doesn't provide for changes after a record has been added to the file. This program will be enhanced so it does meet the specified requirements in the second printing of the book.

#### **Chapter 16, page 521**

The second line in the syntax of the SD statement for sort work files should be changed from

```
[RECORD CONTAINS integer RECORDS]
```

to

```
[RECORD CONTAINS integer CHARACTERS]
```

#### **Chapter 18, page 605**

The second sentence in the first bulleted item should be: "To process another program, change the program name in the DD statements for COBOL.SYSIN and LKED.SYSLMOD."

#### **Chapter 19, page 647**

The first bulleted item should refer to the Data Division, not the Environment Division.

#### **Chapter 20, page 661**

In the first table, the name of the fourth column should be ADDR, not STREET. And the LNAME field in the first record should be MCDONALD, not JONES.

**Chapter 20, page 679**

In paragraph 130, the long dash in the first Display statement should be changed to two hyphens (--).

**Chapter 22, page 707**

The second word in the third paragraph in the Book Maintenance Program box should be “get-book-price,” not “get-boo-price.”

**Chapter 22, page 713**

The first End Method statement should end with a quotation mark and period like this:

```
End Method "set-book-info".
```

**Chapter 22, page 715**

The second unique method in the Discount Book Inventory Class should be “update-discount,” not “get-book-info.”