

Errata in Third Publication

Known errors in the third PDF (April, 2010)

Date of this list: November 29th, 2010

page 3 (almost blank). I would like to add a dedication, if possible. To avoid increasing all the page numbers by 1, perhaps this can be added on page 3, in the middle of the page:

This book is dedicated to the researchers at IBM United Kingdom’s Scientific Research Centre, Peterlee, UK, in the 1970s, who designed and implemented the relational database language, ISBL, that has been my guide ever since.

page 13, Acknowledgements, second paragraph beginning “Erwin Smout”. Please add the following sentence:

Further errors were subsequently reported by Gene Wirchenko, Wilhelm Steinbuss, and Laith Alissa. These have been corrected too. I am most grateful to all these people.

page 28, lines 23-24 (Example 1.9): replace

```
UPDATE ENROLMENT WHERE StudentId = SID ( 'S1' )
      { Name := 'Ann' } ;
```

by

```
UPDATE ENROLMENT WHERE StudentId = SID ( 'S1' )
      ( Name := 'Ann' ) ;
```

(i.e., change the braces to parentheses).

page 47, in **Example 2.4,** line 6, replace `IS_NUMERIC` by `IS_DIGITS`.

page 48, third bulleted paragraph beginning “The operators ...”, line 1, replace `IS_NUMERIC` by `IS_DIGITS`.

page 48, third bulleted paragraph beginning “The operators ...”, line 3, replace “in file” by “in the file”.

page 48, last bulleted paragraph beginning **SUBSTRING (C, 1)**, line 3, replace `IS_NUMERIC` by `IS_DIGITS`.

page 52, first bulleted paragraph (in Explanation 2.9), replace:

```
SUBSTRING ( THE_C (SN), 1 )
```

by

```
SUBSTRING ( THE_C (SN), 0, 1 )
```

page 58, first paragraph: delete the text from “*Alert:*” to the end of the paragraph.

page 60, numbered paragraph 12, replace the first sentence, “Load the provided file `OperatorsChar.d` and execute it.” by:

“Load the file `OperatorsChar.d`, provided in the Scripts subdirectory of the *Rel* program directory, and execute it.

page 86, line 1, at the end of the first sentence, between “JOIN” and the full stop, add “(see Section 4.4 JOIN and AND for details)”.

page 99, top of page, definition of projection. In the boxed definition, replace “where the sets { a_1, \dots, a_n } and { b_1, \dots, b_m } partition the heading of r .” by the following:

where the sets { a_1, \dots, a_n } and { b_1, \dots, b_m } are disjoint subsets of the heading of r .

page 100, second paragraph, line 3, replace “Example 4.4” by “Example 4.5”.

page 100, in Example 4.5, line 6, replace “`StudentId, StudentId`” by “`StudentId, CourseId`”

page 105, replace the example

```
( ( IS_CALLED RENAME ( StudentId AS Sid1 ) )
  JOIN
  ( IS_CALLED RENAME ( StudentId AS Sid2 ) ) )
WHERE NOT (Sid1 = Sid2) ) { Sid1, Sid2 }
```

by

```
( ( IS_CALLED RENAME ( StudentId AS Sid1 ) )
  JOIN
  ( IS_CALLED RENAME ( StudentId AS Sid2 ) )
  WHERE NOT (Sid1 = Sid2) ) { Sid1, Sid2 }
```

(i.e., delete the extraneous closing parenthesis at the end of the third line).

page 107, the boxed text in the middle of the page, headed Definition of extension, first line: replace “**ADD** ($a := exp$)” by “**ADD** (exp **AS** a)”.

page 111, line 5: replace “for what it’s worth, does allow you the take” by “for what it’s worth, does allow you to take” (“to” instead of “the”).

page 113, second bulleted paragraph under **Points to note**:, replace “(recall that tuples having no common attributes are considered to be matching tuples)” by “(note that tuples having no common attributes are matching tuples under the definition of that term given in Chapter 4, Section **4.4 JOIN and AND**)”.

page 115, Exercise 2, replace “VAR Order” by “VAR Orders” and also replace “KEY {o#, P#}” by “KEY {O#, P#}” (changing lower-case “o” to upper case).

page 115, Exercise 2, replace:

```
Qty*Unit_price*(1-(Discount/100))
```

by

```
CAST_AS_RATIONAL(Qty)*Unit_price*(1.0-(Discount/100.0))
```

page 119, numbered paragraph 6 at top of page, in both parts d and e replace “London” by “Paris”.

page 120, line 6, replace “218” by “219”.

page 139, in the section **5.8 WRAP and UNWRAP**, line 2, replace “Example 5.13” by “Example 5.14” and replace the title of the example immediately following this paragraph by

Example 5.14: Collecting attribute values together

page 140, line 3, replace “Example 5.14” by “Example 5.15” and replace the title of the example immediately following this paragraph by

Example 5.15: Use of WRAP and UNWRAP

page 144, fourth paragraph, last line, replace “Example 5.14” by “Example 5.16” and replace the title of the example immediately following this paragraph by

Example 5.16: Students who have taken the exam for every course they are enrolled on

page 144, replace the heading **Explanation 5.14** by **Explanation 5.16**.

page 144, in the first bulleted paragraph under the heading **Explanation 5.14** (just changed to **5.16**), line 5, replace “Example 5.14” by “Example 5.16”.

page 145, first paragraph, line 2, replace “Example 5.15” by “Example 5.17” and replace the title of the example immediately following this paragraph by

Example 5.17: Alternative solution to Example 5.16 using \subseteq ”

(note the changes to *two* example numbers).

page 145, replace the heading **Explanation 5.15** by **Explanation 5.17**.

page 177, in the following example in the middle of the page, replace “Wife# 1” by “Wife# 2”

```
TUPLE { Wife# 1, FirstName 'Anne',  
        LastName 'Parr', Fate 'survived' }
```

page 224, in the example at the bottom of the page beginning `TYPE SID`, line 6, replace `IS_NUMERIC` by `IS_DIGITS`.

End of Errata