Errata and Updates For
Database System Concepts, 7th Edition
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Last updated: July 1, 2021

We list below errors, clarifications, and recent updates.

CHAPTER 1

1. Page 3, line 2: "varies" → "various"

CHAPTER 2

1. Page 47, Figure 2.9, *classroom* relation:
   room_number → *room_number*
   (Reported by: Ya-hui Chang)

2. Solution to Practice Exercise 2.7
   (Reported by: Qing Zhu)

CHAPTER 3

1. Page 94, first query: **count** (**distinct** *ID*) → **count** (**distinct** *instructor.ID*)
   (Reported by: Samar Jameel)

2. Page 96, first query: **having count** (*ID*) → **having count** (*student.ID*)
   (Reported by: Ki Li)

CHAPTER 6

1. Page 250, Figure 6.7, Caption: Composite attributes for the *instructor* entity set.
   (Reported by: Yon Dohn Chung)

2. Page 264, Figure 6.15: The line from the relationship set *sec_time_slot* to the entity set *time_slot* should have an arrow pointing towards *time_slot*.
   (Reported by: Yon Dohn Chung)

3. Page 280,2nd line from the bottom: the relationship takes should be the relationship stud-section
   (Reported by: Yon Dohn Chung)

4. 281, 2nd line: 6.21c should be 6.21b, 6.22a should be 6.22c
   (Reported by: Yon Dohn Chung)

5. 281, 7th line: takes should be stud-section
   (Reported by: Yon Dohn Chung)

CHAPTER 7

1. Page 309, 3rd line from the bottom: r(R) should be R
   (Reported by: Yon Dohn Chung)

2. Page 313, 9th line: r(R) should be R
   (Reported by: Yon Dohn Chung)

3. Page 315, Figure 7.6: move the arrow into the 'department'
   (Reported by: Yon Dohn Chung)

4. Page 320, 9th line: r(r) should be R
   (Reported by: Yon Dohn Chung)

5. Page 336, 8th line from the bottom: r21(dept_name, ID), should be r21(ID, dept_name)
   (Reported by: Yon Dohn Chung)

6. Page 338, 5th line: (Physics,22222, ...) should be (22222, Physics, ...), (Math, 22222, ...) should be (22222, Math ...)
   (Reported by: Yon Dohn Chung)

CHAPTER 11

1. Page 532, Figure 11.7: The values in the 2nd column (pastel) should be 35, 10, 45, 7, 2, 9, 54
   (Reported by: Yon Dohn Chung)

CHAPTER 22

1. Page 1046,6th-7th lines from the bottom: Si should be Sj, N1i, N2i,... should be N1j, N2j, ...
   (Reported by: Yon Dohn Chung)

2. Page 1144, Figure 23.8: All 7 occurrences of h_2 should read as
   (Reported by: Qing Zhu)

CHAPTER 23

1. Page 1144, Para 2:
   "8 data items" $\rightarrow$ "7 data items"

2. Page 1144, Figure 23.8: All 7 occurrences of h_2 should read as h_3 and all 7 occurrences of h_3 should read as h_2 in this figure.