Errata and Updates For
Database System Concepts, 7th Edition
Silberschatz, Korth, and Sudarshan

Last updated: May 2, 2022

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)
   (Reported by: Rajeev Goyal)

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 269, 2nd line from the bottom: “Furthermore, the of a weak entity set ...” → “Furthermore, the primary key of a weak entity set ...”
   (Reported by: Zhongpu Chen)
4. Page 280,2nd line from the bottom: the relationship takes should be the relationship stud-section
   (Reported by: Yon Dohn Chung)
5. 281, 2nd line: 6.21c should be 6.21b, 6.22a should be 6.22c
   (Reported by: Yon Dohn Chung)
6. 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 10
1. Page 469 Section 10.1: “retain enterprises” → “retail enterprises”
   (Reported by: Barbara M. Anthony)

CHAPTER 11
1. Page 527, last para: “into one group.” → “into one group).”
   (Reported by: Jianming Wang)
2. 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” → “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.