

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)
3. Page 99 and Page 102: “110011” → “10101” in both these pages.
(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: $r21(\text{dept_name}, \text{ID})$, should be $r21(\text{ID}, \text{dept_name})$
(Reported by: *Yon Dohn Chung*)
6. Page 338, 5th line: $(\text{Physics}, 22222, \dots)$ should be $(22222, \text{Physics}, \dots)$, $(\text{Math}, 22222, \dots)$ should be $(22222, \text{Math} \dots)$
(Reported by: *Yon Dohn Chung*)

CHAPTER 10

1. Page 469 Section 10.1: “retain enterprises” \rightarrow “retail enterprises”
(Reported by: *Barbara M. Anthony*)

CHAPTER 11

1. Page 527, last para: “into one group.” \rightarrow “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: S_i should be S_j , N_{1i} , N_{2i}, \dots should be N_{1j} , N_{2j} , ...
(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.