Errata List
for
Data Structures, Algorithms, and Software Principles in C
by
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Notation: We use the notation X ⇒ Y to mean “replace X with Y.” The notation, line –4 means the 4th line from the bottom, the notation par –3 means the third paragraph from the bottom.

p. 17 Program 1.3, line 26: replace smart quotes (" ") by dumb quotes (" "): 

printf("First ⇒ printf("First and %2d\n", #%2d\n",

p. 18 Last paragraph, line 4: “segements” is misspelled. Delete second “e”:

segements ⇒ segments

p. 53 Exercise 2.5.1: The last upper case L should be in the computer font (CP) before the period at the end of the sentence:

address of variable L. ⇒ address of variable L.

p. 95 Last paragraph, line 4 — “prototypes” is misspelled:

prototypes ⇒ prototypes

p. 96 Paragraph 1, line 3: replace smart quotes (" ") by dumb quotes (" "):

#include “ModuleAInterface.h”, ⇒ #include ”ModuleAInterface.h”,

p. 96 In 4.2 Review Questions: renumber question 5. as question 4.

p.100 Program 4.5, line 20: Replace PriorityQueue PQ with SortingArray A:

int i; PriorityQueue PQ; ⇒ int i; SortingArray A;
p.124  Figure 4.27: Add a downward pointing vertical arrow connecting the Program 4.22 box to the Program 4.28 box. The arrow should be the same style and thickness as the arrows connecting the Program 4.16 box and the Program 4.23 box to the Program 4.28 box. The arrow should be aligned vertically with the downward pointing vertical arrow connecting the small circle to the Program 4.22 box.

p.154  Exercise 5.2.3, line 17 in the program: Delete a right parenthesis in the program to give balanced parenthesis on the entire line:

\[(\text{Empty} \ (&PQ)) \Rightarrow (\text{Empty}&PQ)\]

p.221  Figure 6.12: replace the five (5) in $K^5 g(n)$ with a multiplication sign ($\times$):

\[K^5 g(n) \Rightarrow K \times g(n)\]

p.241  Table 6.21, first column, last line: needs an italic $p$:

\[d \neq 1, d \neq p \Rightarrow d \neq 1, d \neq p\]

p.247  Exercise 6.5.3, line 4 of the program: change minus two ($-2$) to minus one ($-1$):

\[\text{smallest item in } A[0:n-2] \Rightarrow \text{smallest item in } A[0:n-1]\]

p.379  Figure 9.44: insert missing “s” in “Tranforms” four times:

\[\text{Tranforms to } \Rightarrow \text{Transforms to } \{\text{four times}\}\]

p.380  Paragraph 2, line 3: “at \{circled B\}” should be “at \{circled A\}”:

\[\text{at } O, \Rightarrow \text{ at } O,\]

p.508  Figure 12.6: remove horizontal lines from interior of cross-hatched rectangles.

p.594  Figure 14.7: Replace all empty set symbols ($\emptyset$) with right arrow symbols ($\rightarrow$):

\[\emptyset \Rightarrow \rightarrow \{\text{twenty times}\}\]

p.599  Figure 14.9: Replace all empty set symbols ($\emptyset$) with right arrow symbols ($\rightarrow$):
\[ \emptyset \Rightarrow \rightarrow \{ \text{twenty-one times} \} \]

p.727  Exercise A.7.4: Replace 726 with a right square bracket:

Table A.12.726  \Rightarrow  Table A.12.]

p.731  Exercise A.8.2: logical expression should be in computer font (CP):

simplify: \((x \leq y) \&\& \!(y > x)) \Rightarrow \text{simplify}: (x \leq y) \&\& \!(y > x))