(Starts on page 987 in PDF)

**Review Questions and Exercises numbers 1-25 on pages 591-593.**

1. C
2. B
3. A
4. A
5. A
6. C
7. B
8. A
9. D
10. B
11. A
12. C
13. D
14. B
15. A
16. False
17. True
18. False
19. True
20. True
21. True
22. True
23. False
24. False
25. True

**Find the Error exercises numbers 1-5 on pages 593-594.**

1. The string was not initialized, and if it was, the method is static so it should be called through the `String` class directly rather than by an instance of the class.
2. Instances of the StringBuilder class cannot be initialized using =. the string must be placed inside of the constructor instead
3. The String class has no “parseInt” method. That method only belongs to the Integer class.
4. The `setCharAt` method only belongs to the StringBuilder class. It cannot be used from the String class
5. The `nextToken` method used here will return the entire string due to the lack of a delimiter provided in the constructor

**Algorithm Workbench numbers 1, 3, 9, and 11 on pages 594-595.**

|  |
| --- |
| if (Character.toLowerCase(choice) == 'Y') |

|  |
| --- |
| int digitCount = 0;  for (int i = 0; i < str.length(); ++i) {  if (Character.isDigit(str.charAt(i)))  ++digitCount;  }  System.out.println(digitCount); |

9.

|  |
| --- |
| if (d < Integer.MAX\_VALUE) {  int i = (int)d;  } |

11.

|  |
| --- |
| String str = "237.89";  double value = Double.parseDouble(str); |

**Short Answer questions 1-5 on page 595.**

1. You can change the contents of a StringBuilder object, but you cannot change the contents of a String object. The StringBuilder class allows you to change, insert, delete, and perform other operations on specific characters, whereas the String class does not.
2. So the resulting tokens do not contain any unwanted leading or trailing whitespace
3. They ‘convert’ the provided string to the data type that the class wraps around and returns it.
4. They convert the provided value to a string and returns it.
5. By referencing the constants Wrapper.MIN\_VALUE and Wrapper.MAX\_VALUE