

Chapter 8 Homework

Multiple Choice

- | | | |
|------|-------|-------|
| 1. B | 6. B | 11. A |
| 2. B | 7. B | 12. A |
| 3. A | 8. A | 13. D |
| 4. A | 9. D | 14. C |
| 5. A | 10. B | 15. A |

True and False

- | | | |
|-----------|-----------|-----------|
| 16. False | 20. True | 24. False |
| 17. True | 21. True | 25. True |
| 18. False | 22. True | |
| 19. True | 23. False | |

Find the Error

```
StringBuilder name = new StringBuilder("Joe Schmoe");
```

Algorithm Workbench

```
int spaces = 0;
for (char ch : str.toCharArray())
    if (ch == ' ')
        ++spaces;
```

Short Answer

1. `StringBuilder` has some handy methods for doing complex string modification.
2. User input is apt to have some leading or trailing whitespace. Unless it's important that whitespace is preserved, it should always be trimmed to avoid it interfering with code that parses the input.
3. The "parse" methods of the numeric classes parse numeric data out of a `String`.
4. The opposite of the above; in goes numeric data, out comes a `String`.
5. All of the numeric classes have `MIN_VALUE` and `MAX_VALUE` member constants.