

Assessment Solutions

Chapter 1 – Understanding Basic C++ Assumptions

1. A `flush` may be useful, rather than an `endl`, for clearing the contents of a buffer associated with `cout` for the situations where you do not wish the cursor to be advanced to the next line for output. Recall, an `endl` manipulator is merely a newline character plus a buffer flush.
2. Choosing a pre versus a post increment for a variable, such as `++i` (versus `i++`), will have an impact on the code when used in conjunction with a compound expression. A typical example would be `result = array[i++]`; versus `result = array[++i]`; . With the post-increment (`i++`), the contents of `array[i]` will be assigned to `result` and then `i` is incremented. With the pre-increment, `i` is first incremented and then `result` will have the value of `array[i]` (that is, using the new value of `i` as an index).
3. Please see `Chapter01/Assessments/Chp1-Q3.cpp` in the GitHub repository.