

CSE 2431

SP 22

Correct Output for Lab 2

Here is an example of correct output for Lab 2 (but it is only one example; please see the explanation on the next page also):

producer produced 17

producer produced 13

producer produced 14

consumer consumed 17

consumer consumed 13

producer produced 92

producer produced 93

consumer consumed 14

consumer consumed 92

producer produced 37

producer produced 62

producer produced 10

producer produced 50

consumer consumed 93

producer produced 41

producer produced 31

producer produced 3

consumer consumed 37

consumer consumed 62

consumer consumed 10

producer produced 76

producer produced 98

Explanation:

This output is correct, because the 8 values consumed by the consumers are the first 8 values produced by the producers, and the 8 values are ***consumed in exactly the same order in which they were produced***. As long as all the values consumed by consumers were produced by producers (starting with the first value produced) in the same order in which they are consumed, the output is correct.

NOTICE ALSO: There are some values produced by producers at the end of the sequence of produced values which are not consumed by a consumer, and ***this is normal***; when the main thread awakens after the specified sleep time, it terminates the program, so there will usually (virtually always) be some values in the buffer which were produced by producers, but which have not been consumed by consumers when the program terminates.