CN Assignment 2 Part I

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        /mnt/ManavMittal/CN_Assignments/A2/assignment2/build  ctest -R '^byte_stream'
Test project /mnt/ManavMittal/CN_Assignments/A2/assignment2/build
    Start 5: byte_stream_construction
1/5 Test #5: byte_stream_construction .........   Passed    0.00 sec
    Start 6: byte_stream_one_write
2/5 Test #6: byte_stream_one_write ............   Passed    0.00 sec
    Start 7: byte_stream_two_writes
3/5 Test #7: byte_stream_two_writes ...........   Passed    0.00 sec
    Start 8: byte_stream_capacity
4/5 Test #8: byte_stream_capacity .............   Passed    0.52 sec
    Start 9: byte_stream_many_writes
5/5 Test #9: byte_stream_many_writes ..........   Passed    0.00 sec

100% tests passed, 0 tests failed out of 5

Total Test time (real) =   0.53 sec
        /mnt/ManavMittal/CN_Assignments/A2/assignment2/build
```

As we can see all the test cases passed. All functions are implemented as mentioned in the comments.