

Documentation For Computer Networks

Assignment 2 part 1

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Screenshot of running test cases:

```
aryan@aryan-virtual-machine:~/Desktop/assignment2/build$ ctest -R '^byte_stream'
Test project /home/aryan/Desktop/assignment2/build
  Start 5: byte_stream_construction
1/5 Test #5: byte_stream_construction ..... Passed    0.01 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    0.67 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) =  0.68 sec
```

Implementation:

- Add the required private members in byte_stream.hh
- Write, peek, pop and read operation are use to implement the queue
- Constructor is used to intialise all the required variable with their values.