# CSCI 463 - Assignment 3 Sample Test Data

When grading assignment 3, commands and files *like* the following will be used.

Website URL for this page:
https://faculty.cs.niu.edu/~winans/CS463/2022-fa/assignments/a3/testfiles/

Make sure your code output is perfect or else you could lose points!!

- Same as seen in the handout:
```
timeout 1 ./memsim -m 2e hello.in 2>&1 | head -n 1000 > hello.run
diff hello.out hello.run
```
- Exactly 16 bytes of input data:
```
timeout 1 ./memsim -m0x30 test2.in 2>&1 | head -n 1000 > test2.run
diff test2.out test2.run
```
- Reading a file that is too big for the requested memory size:
```
timeout 1 ./memsim -m 30 test3.in 2>&1 | head -n 1000 > test3-30.run
diff test3-30.out test3-30.run
```
- Reading a file that has EXACTLY the size of the requested memory size:
```
timeout 1 ./memsim -m 200 test3.in 2>&1 | head -n 5000 > test3-200.run
diff test3-200.out test3-200.run
```
- Reading a file that will fit into a large enough memory size for the `main()` test code to run without warnings:
```
timeout 1 ./memsim -m1010 test3.in 2>&1 | head -n 5000 > test3-1010.run
diff test3-1010.out test3-1010.run
```
- All 256 possible byte values:
```
timeout 1 ./memsim testsx.in 2>&1 | head -n 5000 > testsx.run
diff testsx.out testsx.run
```

Here are the test files corresponding to the above commands:

- hello.in, hello.out
- test2.in, test2.out
- test3.in, test3-1010.out, test3-200.out, test3-30.out
- testsx.in, testsx.out

You will want to right-click on these files and then 'save file as...'

It should be obvious that if you can't *see* the difference between your output and the reference output file then 1) you are wrong and 2) you need to use `hexdump -C` on your output file and look to see if there is junk bytes in your output that don't print on your screen.

Last modified: 2022-08-18 13:52:50 CDT

---