

Labc

Report



Report for Lab1C

Dash

Test

< #1 >

< run #1 >

Parent
→
Child

```
-----
--Test case 1: ( cat < pg98.txt | sort | grep French > out4) 2>> err4
-----
0m0.000000s 0m0.000000s
0m0.050000s 0m0.000000s
-----
[mirabzad@lnxsr09 ~/Desktop/lab1]$ ./dashTest.dash 1 2
--Test case 1: ( cat < pg98.txt | sort | grep French > out4) 2>> err4
-----
0m0.000000s 0m0.000000s
0m0.050000s 0m0.000000s
-----
0m0.000000s 0m0.000000s
0m0.050000s 0m0.000000s
-----
[mirabzad@lnxsr09 ~/Desktop/lab1]$ ./dashTest.dash 1 3
--Test case 1: ( cat < pg98.txt | sort | grep French > out4) 2>> err4
-----
0m0.000000s 0m0.000000s
0m0.040000s 0m0.000000s
-----
0m0.000000s 0m0.000000s
0m0.050000s 0m0.000000s
-----
0m0.000000s 0m0.000000s
0m0.050000s 0m0.000000s
-----
```

Test 1
←

```
[mirabzad@lnxsr09 ~/Desktop/lab1]$ ./dashTest.dash 2 1
--Test case 2: ( echo -e "Capitalizing everything..." < in2 | cat - pg98.txt | tr a-z A-Z > out5) 2>> err5
-----
0m0.000000s 0m0.000000s
0m0.000000s 0m0.000000s
-----
[mirabzad@lnxsr09 ~/Desktop/lab1]$ ./dashTest.dash 2 2
--Test case 2: ( echo -e "Capitalizing everything..." < in2 | cat - pg98.txt | tr a-z A-Z > out5) 2>> err5
-----
0m0.000000s 0m0.000000s
0m0.000000s 0m0.000000s
-----
0m0.000000s 0m0.000000s
0m0.000000s 0m0.000000s
-----
[mirabzad@lnxsr09 ~/Desktop/lab1]$ ./dashTest.dash 2 3
--Test case 2: ( echo -e "Capitalizing everything..." < in2 | cat - pg98.txt | tr a-z A-Z > out5) 2>> err5
-----
```

Test 2
←

Test 3
↓

```
0m0.000000s 0m0.000000s
0m0.000000s 0m0.000000s
-----
0m0.000000s 0m0.000000s
0m0.000000s 0m0.000000s
-----
0m0.000000s 0m0.000000s
0m0.000000s 0m0.000000s
-----
[mirabzad@lnxsr09 ~/Desktop/lab1]$ ./dashTest.dash 3 1
--Test case 3: grep business < pg98.txt 2> err6 | sort 2> err7 | wc > out6 2>> err8
-----
0m0.000000s 0m0.000000s
0m0.000000s 0m0.000000s
-----
[mirabzad@lnxsr09 ~/Desktop/lab1]$ ./dashTest.dash 3 2
--Test case 3: grep business < pg98.txt 2> err6 | sort 2> err7 | wc > out6 2>> err8
-----
0m0.000000s 0m0.000000s
0m0.000000s 0m0.000000s
-----
0m0.000000s 0m0.000000s
0m0.000000s 0m0.000000s
-----
[mirabzad@lnxsr09 ~/Desktop/lab1]$ ./dashTest.dash 3 3
--Test case 3: grep business < pg98.txt 2> err6 | sort 2> err7 | wc > out6 2>> err8
-----
0m0.000000s 0m0.000000s
0m0.000000s 0m0.000000s
-----
0m0.000000s 0m0.000000s
0m0.000000s 0m0.000000s
-----
0m0.000000s 0m0.000000s
0m0.000000s 0m0.000000s
-----
```

Bash

Test 1

```
--Test case 1: ( cat < pg98.txt | sort | grep French > out4) 2>> err4
-----
0m0.000s 0m0.001s
0m0.048s 0m0.011s
-----

[mirabzad@lnxsr09 ~/Desktop/lab1]$ ./bashTest.bash 1 2
--Test case 1: ( cat < pg98.txt | sort | grep French > out4) 2>> err4
-----
0m0.001s 0m0.000s
0m0.053s 0m0.007s
-----
0m0.000s 0m0.001s
0m0.058s 0m0.005s
-----

[mirabzad@lnxsr09 ~/Desktop/lab1]$ ./bashTest.bash 1 3
--Test case 1: ( cat < pg98.txt | sort | grep French > out4) 2>> err4
-----
0m0.000s 0m0.001s
0m0.049s 0m0.013s
-----
0m0.001s 0m0.000s
0m0.052s 0m0.009s
-----
0m0.001s 0m0.000s
0m0.053s 0m0.008s
-----
```

```
[mirabzad@lnxsr09 ~/Desktop/lab1]$ ./bashTest.bash 2 1
--Test case 2: ( echo -e "Capitalizing everything...\n\n" < in2 | cat - pg98.txt | tr a-z A-Z > out5) 2>> err5
0m0.000s 0m0.001s
0m0.002s 0m0.007s
-----

[mirabzad@lnxsr09 ~/Desktop/lab1]$ ./bashTest.bash 2 2
--Test case 2: ( echo -e "Capitalizing everything...\n\n" < in2 | cat - pg98.txt | tr a-z A-Z > out5) 2>> err5
-----
0m0.001s 0m0.001s
0m0.006s 0m0.003s
-----
0m0.000s 0m0.001s
0m0.002s 0m0.006s
-----

[mirabzad@lnxsr09 ~/Desktop/lab1]$ ./bashTest.bash 2 3
--Test case 2: ( echo -e "Capitalizing everything...\n\n" < in2 | cat - pg98.txt | tr a-z A-Z > out5) 2>> err5
-----
0m0.000s 0m0.001s
0m0.003s 0m0.005s
-----
0m0.001s 0m0.001s
0m0.001s 0m0.007s
-----
0m0.001s 0m0.000s
0m0.003s 0m0.006s
-----
```

Test 2

```
[mirabzad@lnxsr09 ~/Desktop/lab1]$ ./bashTest.bash 3 1
--Test case 3: grep business < pg98.txt 2> err6 | sort 2> err7 | wc > out6 2>> err8
-----
0m0.000s 0m0.002s
0m0.002s 0m0.006s
-----

[mirabzad@lnxsr09 ~/Desktop/lab1]$ ./bashTest.bash 3 2
--Test case 3: grep business < pg98.txt 2> err6 | sort 2> err7 | wc > out6 2>> err8
-----
0m0.000s 0m0.002s
0m0.002s 0m0.006s
-----
0m0.000s 0m0.002s
0m0.001s 0m0.007s
-----

[mirabzad@lnxsr09 ~/Desktop/lab1]$ ./bashTest.bash 3 3
--Test case 3: grep business < pg98.txt 2> err6 | sort 2> err7 | wc > out6 2>> err8
-----
0m0.001s 0m0.001s
0m0.003s 0m0.004s
-----
0m0.001s 0m0.001s
0m0.001s 0m0.006s
-----
0m0.002s 0m0.000s
0m0.004s 0m0.003s
-----
```

Test 3

Simpsh

Test 1
↓

```
rdonly -- User time: 0.000082s || System time: 0.000000s
pipe -- User time: 0.000010s || System time: 0.000000s
pipe -- User time: 0.000005s || System time: 0.000000s
wronly -- User time: 0.000056s || System time: 0.000000s
wronly -- User time: 0.000050s || System time: 0.000000s
command -- User time: 0.000103s || System time: 0.000000s
command -- User time: 0.000079s || System time: 0.000000s
command -- User time: 0.000083s || System time: 0.000000s
```

```
0 -e capitalizing everything... (n/n) -- Command 1 4 0 cat
rdonly -- User time: 0.000103s || System time: 0.000000s
pipe -- User time: 0.000011s || System time: 0.000000s
pipe -- User time: 0.000006s || System time: 0.000000s
creat -- User time: 0.000001s || System time: 0.000000s
trunc -- User time: 0.000001s || System time: 0.000000s
wronly -- User time: 0.000268s || System time: 0.000000s
creat -- User time: 0.000001s || System time: 0.000000s
append -- User time: 0.000001s || System time: 0.000000s
wronly -- User time: 0.000070s || System time: 0.000000s
command -- User time: 0.000108s || System time: 0.000000s
command -- User time: 0.000082s || System time: 0.000000s
command -- User time: 0.000088s || System time: 0.000000s
```

Test 2
↓

```
only out6 --creat --append --wronly err8 --command 0 3 1 g
rdonly -- User time: 0.000040s || System time: 0.000040s
creat -- User time: 0.000000s || System time: 0.000000s
trunc -- User time: 0.000001s || System time: 0.000001s
wronly -- User time: 0.000046s || System time: 0.000046s
pipe -- User time: 0.000007s || System time: 0.000007s
creat -- User time: 0.000001s || System time: 0.000001s
trunc -- User time: 0.000001s || System time: 0.000001s
wronly -- User time: 0.000047s || System time: 0.000047s
pipe -- User time: 0.000003s || System time: 0.000003s
creat -- User time: 0.000000s || System time: 0.000000s
trunc -- User time: 0.000000s || System time: 0.000000s
wronly -- User time: 0.000047s || System time: 0.000047s
creat -- User time: 0.000000s || System time: 0.000000s
append -- User time: 0.000001s || System time: 0.000001s
wronly -- User time: 0.000035s || System time: 0.000035s
command -- User time: 0.000113s || System time: 0.000000s
command -- User time: 0.000082s || System time: 0.000000s
command -- User time: 0.000087s || System time: 0.000000s
```

Test 3
↓

I have included bash and dash test scripts and here you can see

The following test cases were used for simpsh

Test1:

```
./simpsh --profile --rdonly pg98.txt --pipe --pipe --wronly out4 --wronly err4 --  
command 0 2 6 cat --command 1 4 6 sort --command 3 5 6 grep French --wait  
rm out4; touch out4; chmod ugo+rw out4
```

Test2:

```
./simpsh --profile --rdonly pg98.txt --pipe --pipe --creat --trunc --wronly out5 --  
creat --append --wronly err5 --command 0 2 6 echo -e "Capitalizing everything...\n\n"  
--command 1 4 6 cat - pg98.txt --command 3 5 6 tr a-z A-Z --wait  
rm out5; touch out5; chmod ugo+rw out5
```

Test3:

```
./simpsh --profile --rdonly pg98.txt --creat --trunc --wronly err6 --pipe --creat --  
trunc --wronly err7 --pipe --creat --trunc --wronly out6 --creat --append --wronly  
err8 --command 0 3 1 grep business --command 2 6 4 sort --command 5 7 8 wc --wait
```

I'm not too sure why `./dashTest.dash` is giving 0s for all test cases and due to limited time for midterm, I couldn't investigate more

For the results I have, comparing simpsh and bash seems simpsh to be faster