Name: Timothy Caole
Date: 2/19/2024
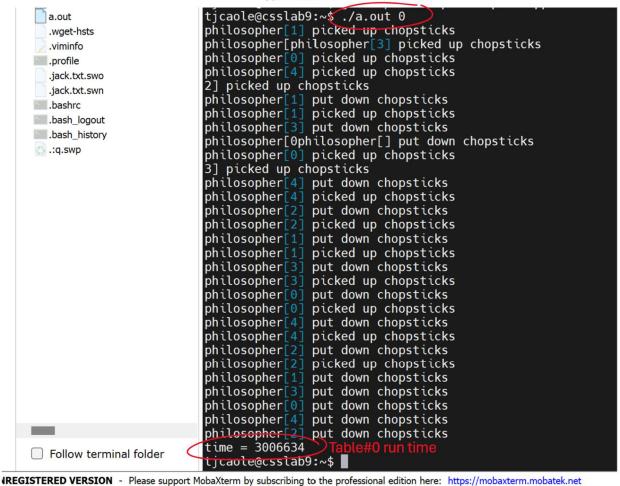
Program3C
philosopher.cpp Report

Table 1 – Run Time of Table Test from phiosopher.cpp

Table Number	Table#0	Table#1	Table#2
Run Time	3006634	15003149	8002743

Figure 1 – Table#0 Result and Steps to Test Table#0

Step#1: to test table#0 in"philosoper.cpp"
type "./a.out 0"

```
tjcaole@csslab9:~$ ./a.out 0
philosopher[1] picked up chopsticks
philosopher[philosopher[3] picked up chopsticks
philosopher[0] picked up chopsticks
philosopher[4] picked up chopsticks
2] picked up chopsticks
philosopher[1] put down chopsticks
philosopher[1] picked up chopsticks
philosopher[3] put down chopsticks
philosopher[0philosopher[] put down chopsticks
philosopher[0] picked up chopsticks
3] picked up chopsticks
philosopher[4] put down chopsticks
philosopher[4] picked up chopsticks
philosopher[2] put down chopsticks
philosopher[2] picked up chopsticks
philosopher[1] put down chopsticks
philosopher[1] picked up chopsticks
philosopher[3] put down chopsticks
philosopher[3] picked up chopsticks
philosopher[0] put down chopsticks
philosopher[0] picked up chopsticks
philosopher[4] put down chopsticks
philosopher[4] picked up chopsticks
philosopher[2] put down chopsticks
philosopher[2] picked up chopsticks
philosopher[1] put down chopsticks
philosopher[3] put down chopsticks
philosopher[0] put down chopsticks
philosopher[4] put down chopsticks
philosopher[2] put down chopsticks
time = 3006634        Table#0 run time
tjcaole@csslab9:~$
```

a.out
.wget-hsts
.viminfo
.profile
.jack.txt.swo
.jack.txt.swn
.bashrc
.bash_logout
.bash_history
.:q.swp

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Figure 2 – Table#1 Result and Steps to Test Table#1

Step#1: to test table#1 in"philosoper.cpp"
type "./a.out 1"

Files shown in left panel:
- a.out
- .wget-hsts
- .viminfo
- .profile
- .jack.txt.swo
- .jack.txt.swn
- .bashrc
- .bash_logout
- .bash_history
- .:q.swp

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Terminal output:

```
tjcaole@csslab9:~$ ./a.out 1
philosopher[0] picked up chopsticks
philosopher[0] put down chopsticks
philosopher[0] picked up chopsticks
philosopher[0] put down chopsticks
philosopher[0] picked up chopsticks
philosopher[0] put down chopsticks
philosopher[4] picked up chopsticks
philosopher[4] put down chopsticks
philosopher[4] picked up chopsticks
philosopher[4] put down chopsticks
philosopher[4] picked up chopsticks
philosopher[4] put down chopsticks
philosopher[2] picked up chopsticks
philosopher[2] put down chopsticks
philosopher[2] picked up chopsticks
philosopher[2] put down chopsticks
philosopher[2] picked up chopsticks
philosopher[2] put down chopsticks
philosopher[3] picked up chopsticks
philosopher[3] put down chopsticks
philosopher[3] picked up chopsticks
philosopher[3] put down chopsticks
philosopher[3] picked up chopsticks
philosopher[3] put down chopsticks
philosopher[1] picked up chopsticks
philosopher[1] put down chopsticks
philosopher[1] picked up chopsticks
philosopher[1] put down chopsticks
philosopher[1] picked up chopsticks
philosopher[1] put down chopsticks
time = 15003149
tjcaole@csslab9:~$
```

Table#1 Run Time

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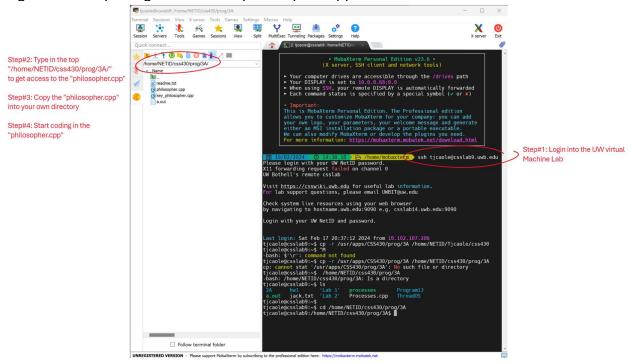Figure 3 – Table#2 Result and Steps to Test Table#2

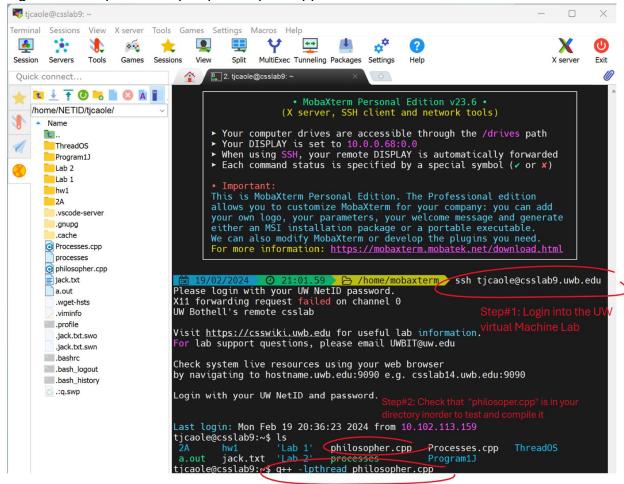Step#1: to test table#2 in"philosoper.cpp"
type "./a.out 2"

```
t ime = 15005149
tjcaole@csslab9:~$ ./a.out 2
philosopher[0] picked up chopsticks
philosopher[2] picked up chopsticks
philosopher[0] put down chopsticks
philosopher[2] put down chopsticks
philosopher[4] picked up chopsticks
philosopher[1] picked up chopsticks
philosopher[philosopher[1] put down chopsticks
4] put down chopsticks
philosopher[0] picked up chopsticks
philosopher[3] picked up chopsticks
philosopher[0] put down chopsticks
philosopher[3] put down chopsticks
philosopher[1] picked up chopsticks
philosopher[4] picked up chopsticks
philosopher[1] put down chopsticks
philosopher[2] picked up chopsticks
philosopher[4] put down chopsticks
philosopher[0] picked up chopsticks
philosopher[2] put down chopsticks
philosopher[3] picked up chopsticks
philosopher[0] put down chopsticks
philosopher[1] picked up chopsticks
philosopher[3] put down chopsticks
philosopher[4] picked up chopsticks
philosopher[1] put down chopsticks
philosopher[2] picked up chopsticks
philosopher[4] put down chopsticks
philosopher[2] put down chopsticks
philosopher[3] picked up chopsticks
philosopher[3] put down chopsticks
time = 8002743       Table#2 Run time
tjcaole@csslab9:~$
```

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Figure 4 – Steps to get access to philosopher.cpp

Step#2: Type in the top "/home/NETID/css430/prog/3A/" to get access to the "philosopher.cpp"

Step#3: Copy the "philosopher.cpp" into your own directory

Step#4: Start coding in the "philosopher.cpp"

Step#1: Login into the UW virtual Machine Lab

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Figure 5 – Steps to Compile philosopher.cpp