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Operating Systems and Networking

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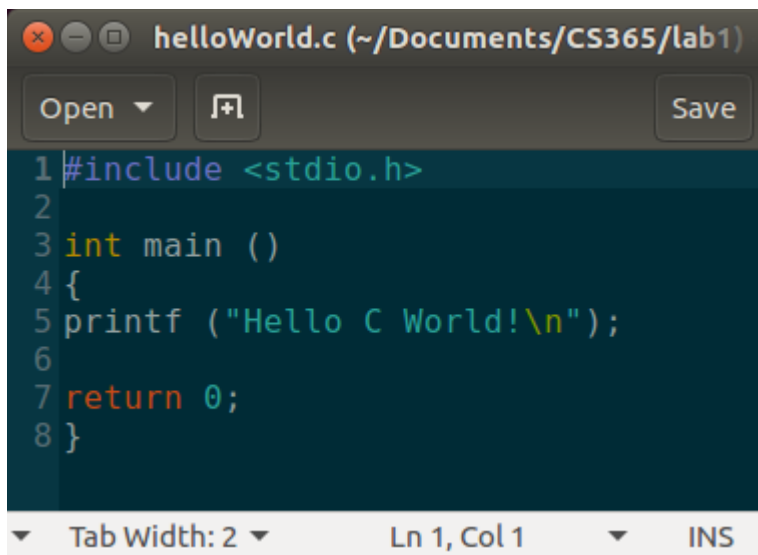
Lab 1

"Answer which option in II you take and why.
Show your c Hello World program for III.
Turn in the screen shots of the results of IV and V, in a PDF file and drop the file in the Lab1 folder on

Moodle before EOF 4/17/2017. I'll test you on your code. Here I just need your code."

PART II

I chose to create a machine that only runs Ubuntu. I chose this option because I could, and it was the

option that presented the least amount of personal annoyance and hassle.

PART III

PART IV – Using fork() and getpid() for something cool

```
        (__)\          )\/\
          ||----w |
          ||      ||
   _____
< farmID: 14422 cowNumber: 175 >
   -----------------------------
        \    ^__^
         \  (oo)_____
            (__)\        )\/\
              ||----w |
              ||      ||
   _____
< farmID: 14421 cowNumber: 178 >
   -----------------------------
        \    ^__^
         \  (oo)_____
            (__)\        )\/\
              ||----w |
              ||      ||
   _____
< farmID: 14422 cowNumber: 176 >
   -----------------------------
        \    ^__^
         \  (oo)_____
```

PART V

```
squeaks@Stephen-Ubuntu-Box: ~/Documents/CS365/lab1
squeaks@Stephen-Ubuntu-Box:~/Documents/CS365/lab1$ ./lab1_part5
Largest Value: 999656
Sum of Largest Value: 999656000
Smallest Value: 60
Sum of Smallest Value: 60000
squeaks@Stephen-Ubuntu-Box:~/Documents/CS365/lab1$ ./lab1_part5
Largest Value: 999970
Sum of Largest Value: 999970000
Smallest Value: 1696
Sum of Smallest Value: 1696000
squeaks@Stephen-Ubuntu-Box:~/Documents/CS365/lab1$ ./lab1_part5
Largest Value: 998757
Sum of Largest Value: 998757000
Smallest Value: 846
Sum of Smallest Value: 846000
squeaks@Stephen-Ubuntu-Box:~/Documents/CS365/lab1$ ./lab1_part5
Largest Value: 999953
Sum of Largest Value: 999953000
Smallest Value: 198
Sum of Smallest Value: 198000
squeaks@Stephen-Ubuntu-Box:~/Documents/CS365/lab1$
```