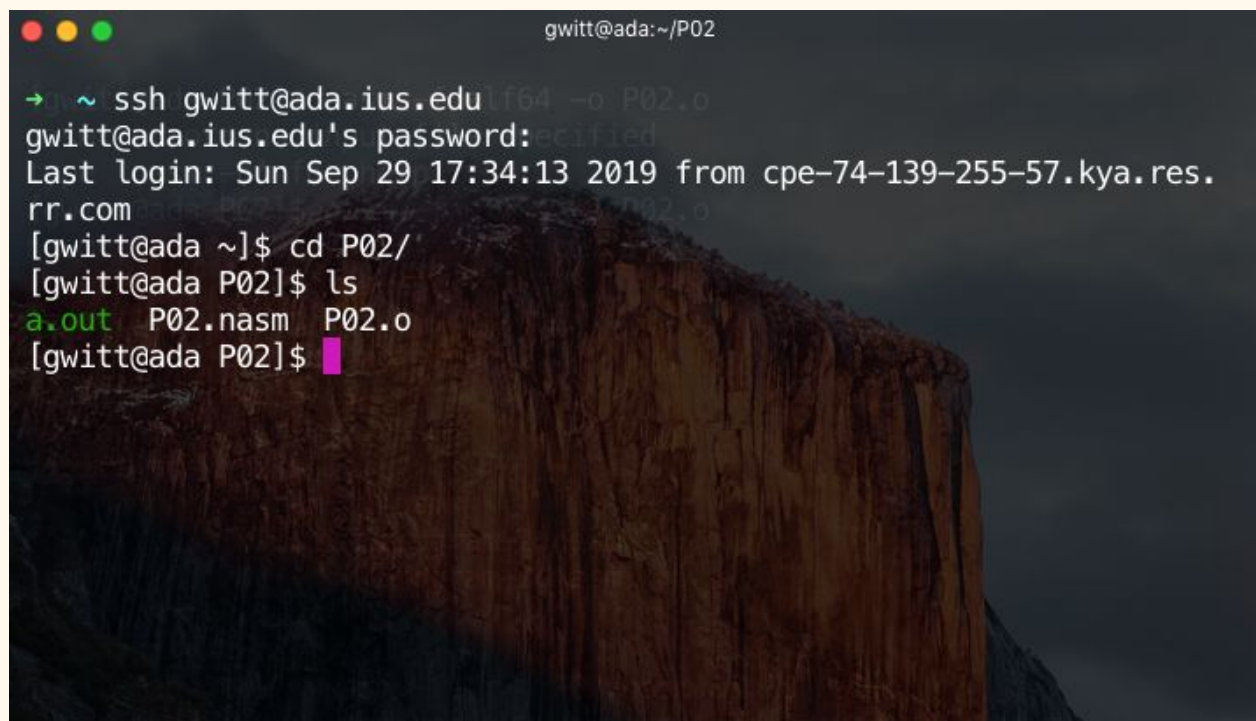


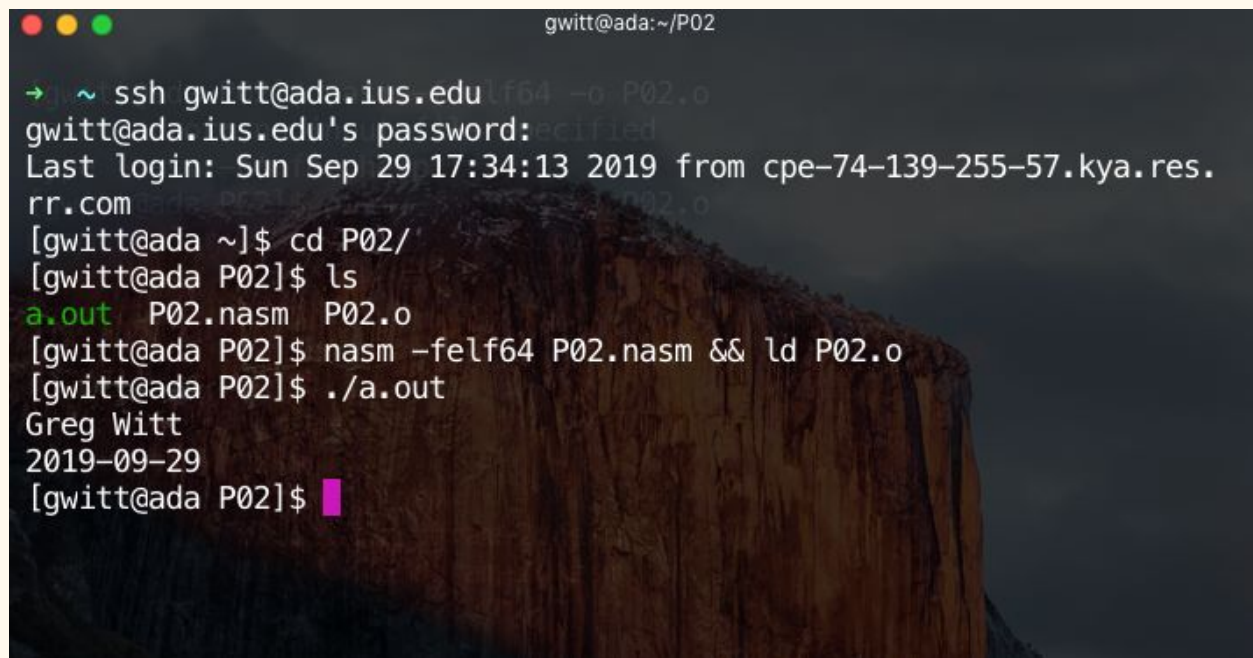
P-02

Login to ADA Via SSH



```
gwitt@ada:~/P02  
→ ~ ssh gwitt@ada.ius.edu lf64 -o P02.o  
gwitt@ada.ius.edu's password:ecified  
Last login: Sun Sep 29 17:34:13 2019 from cpe-74-139-255-57.kya.res.  
rr.com  
[gwitt@ada ~]$ cd P02/  
[gwitt@ada P02]$ ls  
a.out P02.nasm P02.o  
[gwitt@ada P02]$
```


Compiled Code via Commands Listed Terminated SSH Connection

A screenshot of a terminal window with a dark background and a light-colored text cursor. The window title is 'gwitt@ada:~/P02'. The terminal shows the following commands and output:

```
→ ~ ssh gwitt@ada.ius.edu lf64 -o P02.o
gwitt@ada.ius.edu's password:ecified
Last login: Sun Sep 29 17:34:13 2019 from cpe-74-139-255-57.kya.res.rr.com
[gwitt@ada ~]$ cd P02/
[gwitt@ada P02]$ ls
a.out P02.nasm P02.o
[gwitt@ada P02]$ nasm -felf64 P02.nasm && ld P02.o
[gwitt@ada P02]$ ./a.out
Greg Witt
2019-09-29
[gwitt@ada P02]$
```

Source Code

```
%macro write_string 2
```

```
    mov  eax, 4
```

```
    mov  ebx, 1
```

```
    mov  ecx, %1
```

```
    mov  edx, %2
```

```
    int  80h
```

```
%endmacro
```

```

%macro exitsys 1

    mov eax,%1      ;system call number (sys_exit)

    int 0x80        ;call kernel

%endmacro

section .text

global _start      ;must be declared for using gcc

_start:            ;tell linker entry point

    write_string msg1, len1

    write_string msg2, len2

    exitsys 1


section .data

msg1 db    'Greg Witt',0xA,0xD

len1 equ $ - msg1

msg2 db __DATE__, 0xA,0xD

len2 equ $- msg2

```

Resulting Code

```
[gwitt@ada P02]$ ./a.out
```

Greg Witt

2019-09-29

```
[gwitt@ada P02]$
```