[Accounts setup Guideline](https://d2l.sdbor.edu/d2l/le/news/1955431/1664447/view)

Posted Sep 9, 2024 7:00 AM

Here is a guideline to access your Linux server account and create your first assembly program.

1. Open Command Prompt: One of the fastest ways to open Command Prompt is by using the search bar in the Windows 10/11 Taskbar. Just type "cmd" into the search bar and click on "Command Prompt" window.
2. Type **ssh yourFirstName.yourLastName@dev.hostbin.org**
3. Enter your password : initially your password is your OrgID
4. To change your password, type **passwd** and follow the instructions.
5. Type **mkdir CSC314**to create a new folder, named CSC314, where you will save all your assembly programs.
6. Type **asmnew helloWord**to create a new assembly project named helloWord.
7. Type **cd helloWord** to access the assembly project folder.
8. Type **nano helloWord.asm**to open and edit the assembly code file.
9. Type **Ctrl+o**to save your assembly code file.
10. Type **Ctrl+x** to exit your assembly code file.
11. Type **make** to compile your assembly code file.
12. Type **./helloWord** to run your assembly code file.

You will find a video that explains all the above steps in the module **Chapter 3-Assembly Language** of the course content .

Microsoft Windows [Version 10.0.22631.4169]

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C:\Users\granite>ssh charleigh.roberts@dev.hostbin.org

The authenticity of host 'dev.hostbin.org (138.247.13.101)' can't be established.

ED25519 key fingerprint is SHA256:HhA4Bi+V9jGCvAGpt8I8SNCI48bHm7BwD8gL/OnSdIs.

This key is not known by any other names

Are you sure you want to continue connecting (yes/no/[fingerprint])? y

Please type 'yes', 'no' or the fingerprint: yes

Warning: Permanently added 'dev.hostbin.org' (ED25519) to the list of known hosts.

charleigh.roberts@dev.hostbin.org's password:

Permission denied, please try again.

charleigh.roberts@dev.hostbin.org's password:

Permission denied, please try again.

charleigh.roberts@dev.hostbin.org's password:

charleigh.roberts@dev.hostbin.org: Permission denied (publickey,password).

C:\Users\granite>ssh charleigh.roberts@dev.hostbin.org

charleigh.roberts@dev.hostbin.org's password:

Linux dev 6.1.0-22-amd64 #1 SMP PREEMPT\_DYNAMIC Debian 6.1.94-1 (2024-06-21) x86\_64 GNU/Linux

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Last login: Wed Sep 11 21:43 from 174.45.135.225 on pts/4

NOTICE: All activity on this system is monitored and logged.

This server is intended for class purposes only. To continue,

please reply 'yes' below to confirm that you consent to your

activity being monitored while using this server.

Do you understand and agree? (yes/no): y

Connection to dev.hostbin.org closed.

C:\Users\granite>ssh charleigh.roberts@dev.hostbin.org

charleigh.roberts@dev.hostbin.org's password:

Linux dev 6.1.0-22-amd64 #1 SMP PREEMPT\_DYNAMIC Debian 6.1.94-1 (2024-06-21) x86\_64 GNU/Linux

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Last login: Wed Sep 11 21:44 from 174.45.135.225 on pts/4

NOTICE: All activity on this system is monitored and logged.

This server is intended for class purposes only. To continue,

please reply 'yes' below to confirm that you consent to your

activity being monitored while using this server.

Do you understand and agree? (yes/no): yes

charleigh.roberts@dev:~$ passwd

Changing password for charleigh.roberts.

Current password:

New password:

Retype new password:

passwd: password updated successfully

charleigh.roberts@dev:~$ mkdir CSC314

charleigh.roberts@dev:~$ asmnew helloWord

charleigh.roberts@dev:~$ cd helloWord.asm

bash: cd: helloWord.asm: No such file or directory

charleigh.roberts@dev:~$ cd helloWord

charleigh.roberts@dev:~/helloWord$ nano helloWord.asm

charleigh.roberts@dev:~/helloWord$ charleigh.roberts@dev:~/helloWord$ make

nasm -f elf -F dwarf -g helloWord.asm

gcc -no-pie -g -m32 -znoexecstack -o helloWord helloWord.o /usr/local/share/csc314/driver.c /usr/local/share/csc314/asm\_io.o

charleigh.roberts@dev:~/helloWord$ ./helloWord

charleigh.roberts@dev:~/helloWord$