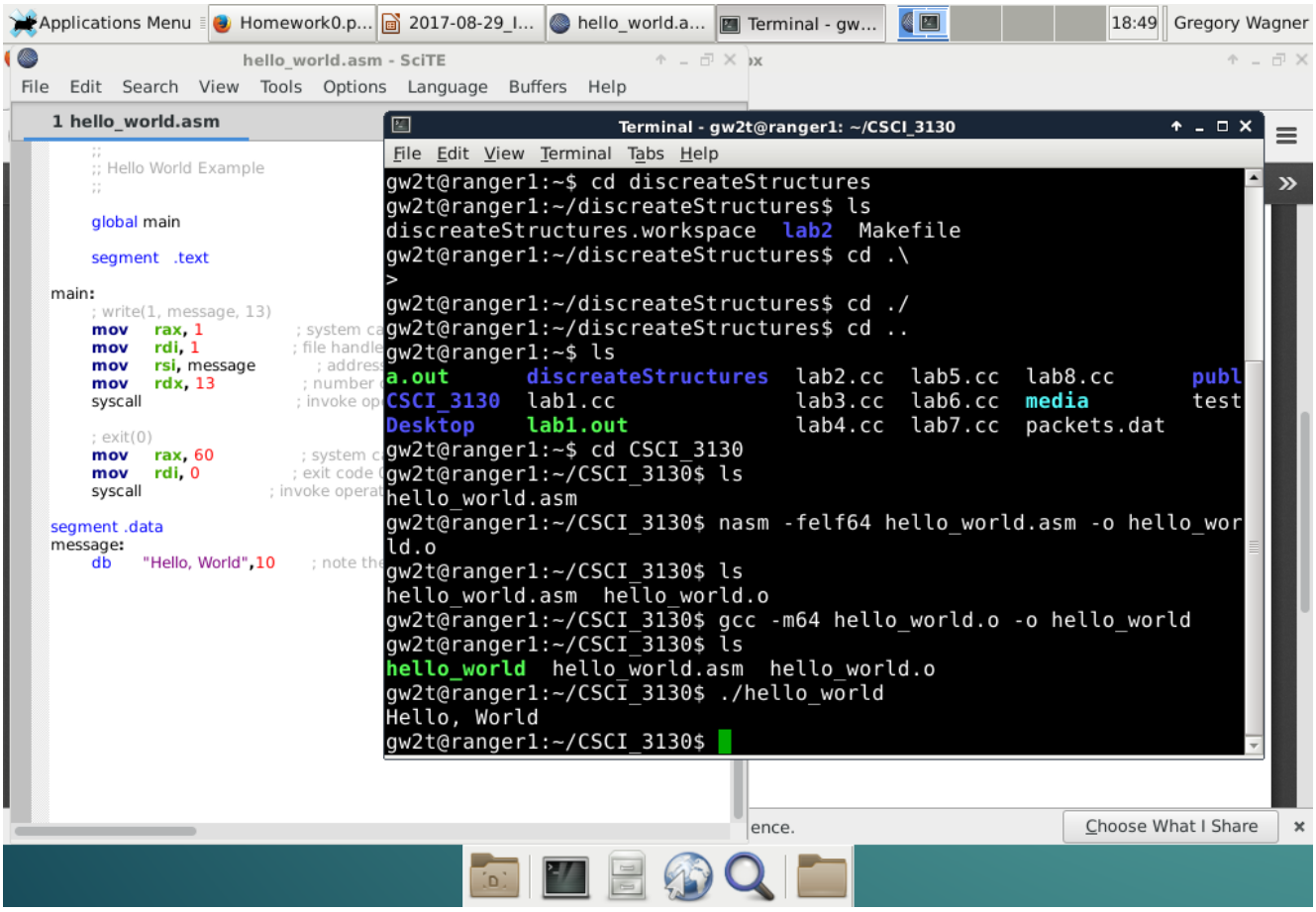
Applications Menu
Homework0.p...
2017-08-29_I...
hello_world.a...
Terminal - gw...
18:49
Gregory Wagner
hello_world.asm - SciTE
File Edit Search View Tools Options Language Buffers Help
1 hello_world.asm
;; Hello World Example
;;
global main
segment .text
main:
; write(1, message, 13)
mov rax, 1
mov rdi, 1
mov rsi, message
mov rdx, 13
syscall
; exit(0)
mov rax, 60
mov rdi, 0
syscall
segment .data
message:
db "Hello, World",10
Terminal - gw2t@ranger1: ~/CSCI_3130
File Edit View Terminal Tabs Help
gw2t@ranger1:~$ cd discreateStructures
gw2t@ranger1:~/discreateStructures$ ls
discreateStructures.workspace lab2 Makefile
gw2t@ranger1:~/discreateStructures$ cd .\
>
gw2t@ranger1:~/discreateStructures$ cd ./
gw2t@ranger1:~/discreateStructures$ cd ..
gw2t@ranger1:~$ ls
a.out discreateStructures lab2.cc lab5.cc lab8.cc publ
CSCI_3130 lab1.cc lab3.cc lab6.cc media test
Desktop lab1.out lab4.cc lab7.cc packets.dat
gw2t@ranger1:~$ cd CSCI_3130
gw2t@ranger1:~/CSCI_3130$ ls
hello_world.asm
gw2t@ranger1:~/CSCI_3130$ nasm -felf64 hello_world.asm -o hello_wor
ld.o
gw2t@ranger1:~/CSCI_3130$ ls
hello_world.asm hello_world.o
gw2t@ranger1:~/CSCI_3130$ gcc -m64 hello_world.o -o hello_world
gw2t@ranger1:~/CSCI_3130$ ls
hello_world hello_world.asm hello_world.o
gw2t@ranger1:~/CSCI_3130$ ./hello_world
Hello, World
gw2t@ranger1:~/CSCI_3130$
ence.
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