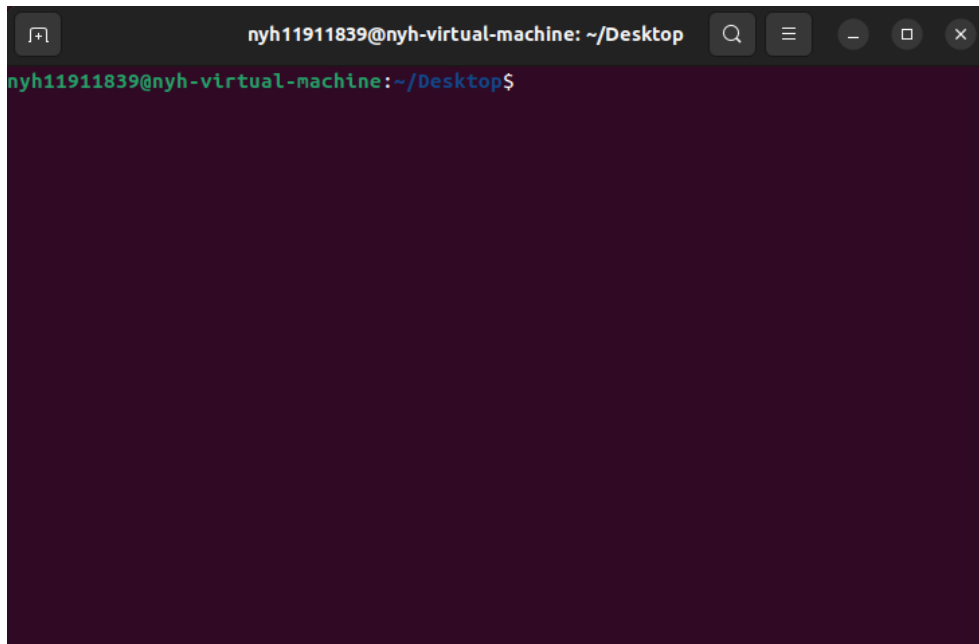


Week1 Report in Class (Fri56)

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Q1

ubuntu中terminal终端光标左侧\$前面的文字是什么含义，如何更改terminal当前执行目录路径

A screenshot of a terminal window. The title bar at the top reads 'nyh11911839@nyh-virtual-machine: ~/Desktop'. The terminal itself has a dark purple background. The prompt 'nyh11911839@nyh-virtual-machine: ~/Desktop\$' is displayed in a light blue font at the top left of the terminal area. The rest of the terminal is empty.

- nyh11911839 : user name
- nyh-virtual-machine : host name
- ~/Desktop : current working directory

Q2

如何通过terminal将文件重命名

```
nyh11911839@nyh-virtual-machine: ~/OSlab/lab1
nyh11911839@nyh-virtual-machine:~/OSlab/lab1$ vim file1.txt
nyh11911839@nyh-virtual-machine:~/OSlab/lab1$ ls
file1.txt
nyh11911839@nyh-virtual-machine:~/OSlab/lab1$ mv file1.txt file2.txt
nyh11911839@nyh-virtual-machine:~/OSlab/lab1$ ls
file2.txt
nyh11911839@nyh-virtual-machine:~/OSlab/lab1$ cat file2.txt
this is a test.
nyh11911839@nyh-virtual-machine:~/OSlab/lab1$
```

- `mv <file_name> <new_file_name>` : rename the file

Q3

在当前文件夹查找所有.c文件可以使用哪个命令

```
nyh11911839@nyh-virtual-machine: ~/OSlab/lab1
nyh11911839@nyh-virtual-machine:~/OSlab/lab1$ vim test1.c
nyh11911839@nyh-virtual-machine:~/OSlab/lab1$ vim test2.c
nyh11911839@nyh-virtual-machine:~/OSlab/lab1$ ls
file2.txt test1.c test2.c
nyh11911839@nyh-virtual-machine:~/OSlab/lab1$ find *.c
test1.c
test2.c
nyh11911839@nyh-virtual-machine:~/OSlab/lab1$
```

- `find *.c`

Q4

"chmod 431 test.txt"命令是什么作用

```
nyh11911839@nyh-virtual-machine: ~/OSlab/lab1
nyh11911839@nyh-virtual-machine:~/OSlab/lab1$ vim text.txt
nyh11911839@nyh-virtual-machine:~/OSlab/lab1$ ls -l text.txt
-rw-rw-r-- 1 nyh11911839 nyh11911839 21 Feb 17 14:20 text.txt
nyh11911839@nyh-virtual-machine:~/OSlab/lab1$ chmod 431 text.txt
nyh11911839@nyh-virtual-machine:~/OSlab/lab1$ ls -l text.txt
-r---wx--x 1 nyh11911839 nyh11911839 21 Feb 17 14:20 text.txt
nyh11911839@nyh-virtual-machine:~/OSlab/lab1$
```

- $431 = 100\ 011\ 001 \rightarrow r--\ -xw\ -x$
- **user** can read, can not write and execute
- **group** can write and execute, but can not read
- **others** can execute, but can not read and write

Q5

terminal中运行一个死循环c程序，截图它的pid号及R+状态，通过本次文档介绍的某条指令将其进入T(暂停)状态（截图），将其恢复运行（截图），再停止该进程（截图）

```
nyh11911839@nyh-virtual-machine: ~/OSlab/lab1
nyh11911839@nyh-virtual-machine:~/OSlab/lab1$ vim hello.c
nyh11911839@nyh-virtual-machine:~/OSlab/lab1$ cat hello.c
int main(){
    while(1){
    }
    return 0;
}
nyh11911839@nyh-virtual-machine:~/OSlab/lab1$ gcc hello.c
nyh11911839@nyh-virtual-machine:~/OSlab/lab1$ ls
a.out file2.txt hello.c test1.c test2.c text.txt
nyh11911839@nyh-virtual-machine:~/OSlab/lab1$ ./a.out

nyh11911839@nyh-virtual-machine: ~/Desktop
nyh11911839@nyh-virtual-machine:~/Desktop$ ps -a
  PID TTY          TIME CMD
 1399 tty2          00:00:00 gnome-session-b
  5106 pts/0          00:00:51 a.out
  5124 pts/1          00:00:00 ps
nyh11911839@nyh-virtual-machine:~/Desktop$
```

```
nyh11911839@nyh-virtual-machine: ~/OSlab/lab1
nyh11911839@nyh-virtual-machine:~/OSlab/lab1$ vim hello.c
nyh11911839@nyh-virtual-machine:~/OSlab/lab1$ cat hello.c
int main(){
    while(1){
    }
    return 0;
}
nyh11911839@nyh-virtual-machine:~/OSlab/lab1$ gcc hello.c
nyh11911839@nyh-virtual-machine:~/OSlab/lab1$ ls
a.out file2.txt hello.c test1.c test2.c text.txt
nyh11911839@nyh-virtual-machine:~/OSlab/lab1$ ./a.out
^Z
[1]+  Stopped                  ./a.out
nyh11911839@nyh-virtual-machine:~/OSlab/lab1$ fg 1
./a.out
^Z
[1]+  Stopped                  ./a.out
nyh11911839@nyh-virtual-machine:~/OSlab/lab1$
```

Q6

截图运行成功的qemu

```
nyh11911839@nyh-virtual-machine: ~/OSlab/lab1
OpenSBI v0.6

          _ _ _ _ _
        /_/_/_/_/_/
       /_/_/_/_/_/
      /_/_/_/_/_/
     /_/_/_/_/_/
    /_/_/_/_/_/
   /_/_/_/_/_/
  /_/_/_/_/_/
 /_/_/_/_/_/
/_/_/_/_/_/

Platform Name       : QEMU Virt Machine
Platform HART Features : RV64ACDFIMSU
Platform Max HARTs   : 8
Current Hart        : 0
Firmware Base       : 0x80000000
Firmware Size       : 120 KB
Runtime SBI Version  : 0.2

MIDELEG : 0x0000000000000222
MEDELEG : 0x000000000000b109
PMP0    : 0x0000000080000000-0x000000008001ffff (A)
PMP1    : 0x0000000000000000-0xffffffffffff (A,R,W,X)
```

Q7

通过什么方式可以退出qemu

```
nyh11911839@nyh-virtual-machine: ~/OSlab/lab1
OpenSBI v0.6

Platform Name      : QEMU Virt Machine
Platform HART Features : RV64ACDFIMSU
Platform Max HARTs   : 8
Current Hart        : 0
Firmware Base       : 0x80000000
Firmware Size        : 120 KB
Runtime SBI Version  : 0.2

MIDELEG : 0x0000000000000222
MEDELEG : 0x000000000000b109
PMP0     : 0x0000000080000000-0x000000008001ffff (A)
PMP1     : 0x0000000000000000-0xffffffffffff (A,R,W,X)
QEMU: Terminated
nyh11911839@nyh-virtual-machine:~/OSlab/lab1$
```

- `ctrl + A`
- `X`

Q8

截图安装成功的riscv-gcc编译器的版本号

```
nyh11911839@nyh-virtual-machine: ~/OSlab/lab1
riscv64-unknown-elf/bin/ar AS_FOR_TARGET=/usr/lib/riscv64-unknown-elf/bin/as NM_
FOR_TARGET=/usr/lib/riscv64-unknown-elf/bin/nm LD_FOR_TARGET=/usr/lib/riscv64-unknown-elf/bin/ld OBJDUMP_FOR_TARGET=/usr/lib/riscv64-unknown-elf/bin/objdump RAN
LIB_FOR_TARGET=/usr/lib/riscv64-unknown-elf/bin/ranlib READELF_FOR_TARGET=/usr/l
ib/riscv64-unknown-elf/bin/readelf STRIP_FOR_TARGET=/usr/lib/riscv64-unknown-elf
/bin/strip CFLAGS='-g -O2 -fdebug-prefix-map=/build/gcc-riscv64-unknown-elf-Lkci
eF/gcc-riscv64-unknown-elf-10.2.0=. -fstack-protector-strong' CPPFLAGS='-Wdate-t
ime -D_FORTIFY_SOURCE=2' CXXFLAGS='-g -O2 -fdebug-prefix-map=/build/gcc-riscv64-unknown-elf-LkcieF/gcc-riscv64-unknown-elf-10.2.0=. -fstack-protector-strong' FC
FLAGS='-g -O2 -fdebug-prefix-map=/build/gcc-riscv64-unknown-elf-LkcieF/gcc-riscv
64-unknown-elf-10.2.0=. -fstack-protector-strong' FFLAGS='-g -O2 -fdebug-prefix-
map=/build/gcc-riscv64-unknown-elf-LkcieF/gcc-riscv64-unknown-elf-10.2.0=. -fsta
ck-protector-strong' GCJFLAGS='-g -O2 -fdebug-prefix-map=/build/gcc-riscv64-unkn
own-elf-LkcieF/gcc-riscv64-unknown-elf-10.2.0=. -fstack-protector-strong' LDFLAG
S='-Wl,-Bsymbolic-functions -Wl,-z,relro -Wl,-z,now' OBJCFLAGS='-g -O2 -fdebug-p
refix-map=/build/gcc-riscv64-unknown-elf-LkcieF/gcc-riscv64-unknown-elf-10.2.0=.
-fstack-protector-strong' OBJCXXFLAGS='-g -O2 -fdebug-prefix-map=/build/gcc-ris
cv64-unknown-elf-LkcieF/gcc-riscv64-unknown-elf-10.2.0=. -fstack-protector-stron
g' 'CFLAGS_FOR_TARGET=-Os -mmodel=medany' 'CXXFLAGS_FOR_TARGET=-Os -mmodel=med
any'
Thread model: single
Supported LTO compression algorithms: zlib
gcc version 10.2.0 ()
nyh11911839@nyh-virtual-machine:~/OSlab/lab1$
```

Q9

实验课课堂报告需要以什么文件格式提交？如未按照该格式提交会有什么后果？

- File should be submitted in `.pdf` format
- If you submit in a wrong format, your assignment will be marked as `0` points.
- (Each person has one and only one chance to submit an incorrect form without penalty points)

Q10

本课程是否允许抄袭或作弊行为？如有该行为被抄袭者与抄袭者是否均会受到处罚？会受到什么样的处罚？

- This course doesn't allowed plagiarism.
- They will both receive penalty.

Academic Misconduct

- If an undergraduate assignment is found to be plagiarized, the first time the score of the assignment will be 0.
- The second time the score of the course will be 0.
- If a student does not sign the Assignment Declaration Form or cheats in the course, including regular assignments, midterms, final exams, etc., in addition to the grade penalty, the student will not be allowed to enroll in the two CS majors through 1+3, and cannot receive any recommendation for postgraduate admission exam exemption and all other academic awards.