

Steps 1-5

```
john@john-VirtualBox: ~  
john@john-VirtualBox:~$ grep "^$(whoami):" /etc/passwd  
john:x:1000:1000:JOhn:/home/john:/bin/bash  
john@john-VirtualBox:~$ sudo grep "^$(whoami):" /etc/passwd  
[sudo] password for john:  
john:x:1000:1000:JOhn:/home/john:/bin/bash  
john@john-VirtualBox:~$ sudo useradd -m -d /home/xxxxx xxxxx  
john@john-VirtualBox:~$ ls  
copyright_cyse270 Desktop Downloads Music Public Templates Videos  
data Documents error_file Pictures snap test  
john@john-VirtualBox:~$ sudo passwd xxxxx  
New password:  
Retype new password:  
passwd: password updated successfully  
john@john-VirtualBox:~$ sudo usermod -s /bin/bash xxxxx  
john@john-VirtualBox:~$ grep "^xxxxx:" /etc/passwd  
xxxxx:x:1001:1001::/home/xxxxx:/bin/bash  
john@john-VirtualBox:~$
```

Steps 6-8

```
xxxxx@john-VirtualBox: ~  
john@john-VirtualBox:~$ grep "^$(whoami):" /etc/passwd  
john:x:1000:1000:JOhn:/home/john:/bin/bash  
john@john-VirtualBox:~$ sudo grep "^$(whoami):" /etc/passwd  
[sudo] password for john:  
john:x:1000:1000:JOhn:/home/john:/bin/bash  
john@john-VirtualBox:~$ sudo useradd -m -d /home/xxxxx xxxxx  
john@john-VirtualBox:~$ ls  
copyright_cyse270 Desktop Downloads Music Public Templates Videos  
data Documents error_file Pictures snap test  
john@john-VirtualBox:~$ sudo passwd xxxxx  
New password:  
Retype new password:  
passwd: password updated successfully  
john@john-VirtualBox:~$ sudo usermod -s /bin/bash xxxxx  
john@john-VirtualBox:~$ grep "^xxxxx:" /etc/passwd  
xxxxx:x:1001:1001::/home/xxxxx:/bin/bash  
john@john-VirtualBox:~$ sudo grep "^xxxxx:" /etc/shadow  
xxxxx:$y$j9T$CiPegWxeZRxJU0N0OUWnr/$LS3/uLYMtLTRq3LPuPKSQXuTYDoRnWRx/q9Hn53wYL8:20352:0:99999:7:::  
john@john-VirtualBox:~$ sudo usermod -aG sudo xxxxx  
john@john-VirtualBox:~$ su - xxxxx  
Password:  
To run a command as administrator (user "root"), use "sudo <command>".  
See "man sudo_root" for details.  
xxxxx@john-VirtualBox:~$
```

Steps 1-6

```
xxxxx@john-VirtualBox: ~  
xxxxx@john-VirtualBox:~$ cd ~  
xxxxx@john-VirtualBox:~$ echo $SHELL  
/bin/bash  
xxxxx@john-VirtualBox:~$ id  
uid=1001(xxxxx) gid=1001(xxxxx) groups=1001(xxxxx),27(sudo)  
xxxxx@john-VirtualBox:~$ groups root  
root : root  
xxxxx@john-VirtualBox:~$ ls -l /etc/group  
-rw-r--r-- 1 root root 1114 Sep 21 13:09 /etc/group  
xxxxx@john-VirtualBox:~$ sudo groupadd -g 01239860 test  
xxxxx@john-VirtualBox:~$ grep "^test:" /etc/group  
test:x:1239860:  
xxxxx@john-VirtualBox:~$
```

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```
xxxxx@john-VirtualBox: ~  
xxxxx@john-VirtualBox:~$ sudo groupmod -n newtest test  
xxxxx@john-VirtualBox:~$ sudo usermod -aG newtest xxxxx  
xxxxx@john-VirtualBox:~$ touch ~/testfile  
xxxxx@john-VirtualBox:~$ sudo chgrp newtest ~/testfile  
xxxxx@john-VirtualBox:~$ ls -l ~/testfile  
-rw-rw-r-- 1 xxxxx newtest 0 Sep 21 13:22 /home/xxxxx/testfile  
xxxxx@john-VirtualBox:~$ sudo groupdel newtest  
xxxxx@john-VirtualBox:~$ ls -l ~/testfile  
-rw-rw-r-- 1 xxxxx 1239860 0 Sep 21 13:22 /home/xxxxx/testfile  
xxxxx@john-VirtualBox:~$ sudo userdel -r xxxxx  
userdel: user xxxxx is currently used by process 3192  
xxxxx@john-VirtualBox:~$
```