Assignment#1

SID:499100

1- Access the server (take screenshot of the welcome note).

```
Last login: Fri Oct 29 22:09:28 2021 from 128.252.230.178
###############################################################
#                  Welcome to Big Data Server               #
#            You are now Connected to the server            #
###############################################################
[baoxin.l@ip-172-31-93-164 ~]$
```

2- Print your current working directory. It's just a single command.

```
Last login: Fri Oct 29 22:09:28 2021 from 128.252.230.178
###############################################################
#                  Welcome to Big Data Server               #
#            You are now Connected to the server            #
###############################################################
[baoxin.l@ip-172-31-93-164 ~]$ pwd
/home/baoxin.l
[baoxin.l@ip-172-31-93-164 ~]$
```

3- Download mobydick file from http://54.161.173.97/dataset/moby-dick.txt (on the server
using Linux commands) and rename it Mybook.txt (each 2.5 pts).

```
Try `wget --help' for more options.
[baoxin.l@ip-172-31-93-164 ~]$ wget http://54.161.173.97/dataset/moby-dick.txt -O Mybook.txt
--2021-11-05 06:10:32--  http://54.161.173.97/dataset/moby-dick.txt
Connecting to 54.161.173.97:80... connected.
HTTP request sent, awaiting response... 200 OK
Length: 1276233 (1.2M) [text/plain]
Saving to: 'Mybook.txt'

100%[===================================================================>] 1,276,233   --.-K/s   in 0.008s

2021-11-05 06:10:32 (145 MB/s) - 'Mybook.txt' saved [1276233/1276233]

[baoxin.l@ip-172-31-93-164 ~]$
```

4- Chapter one of mobydick in this file starts from line 845. Show the first 15 lines of
chapter 1.

```
[baoxin.l@ip-172-31-93-164 ~]$ tail -n+845 Mybook.txt |head -15
CHAPTER 1. Loomings.

Call me Ishmael. Some years ago—never mind how long precisely—having
little or no money in my purse, and nothing particular to interest me
on shore, I thought I would sail about a little and see the watery part
of the world. It is a way I have of driving off the spleen and
regulating the circulation. Whenever I find myself growing grim about
the mouth; whenever it is a damp, drizzly November in my soul; whenever
I find myself involuntarily pausing before coffin warehouses, and
bringing up the rear of every funeral I meet; and especially whenever
my hypos get such an upper hand of me, that it requires a strong moral
principle to prevent me from deliberately stepping into the street, and
methodically knocking people's hats off—then, I account it high time to
get to sea as soon as I can. This is my substitute for pistol and ball.
With a philosophical flourish Cato throws himself upon his sword; I
```

5- Print only line 847 and assign it into a file named "StudentID-847.txt" where the first part   is your studentID. Then, copy this file into /tmp/ that is a local address on the server. You
can do both with one command or two separate commands.

```
[baoxin.l@ip-172-31-93-164 ~]$ touch 499100-847.txt
[baoxin.l@ip-172-31-93-164 ~]$ head -847 Mybook.txt | tail -1 >> 499100-847.txt
[baoxin.l@ip-172-31-93-164 ~]$ cat 499100-847.txt
Call me Ishmael. Some years ago—never mind how long precisely—having
[baoxin.l@ip-172-31-93-164 ~]$
[baoxin.l@ip-172-31-93-164 ~]$ cp 499100-847.txt /tmp/
[baoxin.l@ip-172-31-93-164 ~]$ █
```

6- Go to your home folder (with one command). Then delete the file you created in Q5 from
/tmp folder (directly from your home folder).

```
[baoxin.l@ip-172-31-93-164 ~]$ rm /tmp/499100-847.txt
[baoxin.l@ip-172-31-93-164 ~]$ █
```

7- List the contents of /tmp folder in long human readable format directly from your home
folder.

```
[baoxin.l@ip-172-31-93-164 ~]$ ls -lh /tmp/
total 87M
drwxr-xr-x.  2 hive         hive             6 Nov  3 02:28 02781891-ad1d-4758-9340-c16e61f58585_resources
drwxr-xr-x.  2 hive         hive             6 Nov  3 03:15 03851f19-f0b0-47b5-8370-0df466fbe0d8_resources
drwxr-xr-x.  2 hive         hive             6 Nov  4 03:29 05837495-7238-4ad3-879f-005e39a7cbcc_resources
drwxr-xr-x.  2 hive         hive             6 Nov  3 20:11 05a55320-dedd-4869-9b15-40ce5a332c86_resources
drwxr-xr-x.  2 hive         hive             6 Nov  4 03:33 05e34ccf-a0cc-4200-a8cd-154136151a50_resources
drwxr-xr-x.  2 hive         hive             6 Nov  4 03:30 08394293-b760-4d78-9e22-c6611c5e17dd_resources
drwxr-xr-x.  2 hive         hive             6 Nov  3 05:25 0ed4ccf3-b4cb-4d3d-8e3c-da5deb620183_resources
-rw-rw-r--.  1 d.zilong     d.zilong        74 Oct 31 19:58 1
drwxr-xr-x.  2 hive         hive             6 Nov  3 04:42 119a8507-bb34-4f97-abce-ba12e6444e61_resources
-rw-rw-r--.  1 centos       centos          74 Oct 25 20:35 121212-847.txt
-rw-rw-r--   1 chaorui      chaorui          0 Nov  4 21:10 12345
drwxr-xr-x.  2 hive         hive             6 Nov  3 05:27 12a5145b-7297-4a23-8923-54c3b3f2196e_resources
drwxr-xr-x.  2 hive         hive             6 Oct 26 18:57 1cb3b27e-e8eb-44a7-86ba-cb0762dfc020_resources
drwxr-xr-x.  2 hive         hive             6 Nov  3 15:48 23debda5-6534-458a-b2a1-b363524a0a15_resources
drwxr-xr-x.  2 hive         hive             6 Nov  3 21:51 2631593a-00d9-4383-8cf6-dd64450437cb_resources
drwxr-xr-x.  2 hive         hive             6 Nov  3 03:01 2e304649-1c3b-4441-a13f-8606a96a99a6_resources
-rw-rw-r--.  1 x.yingtong   x.yingtong       6 Nov  1 23:16 2.txt
drwxr-xr-x.  2 hive         hive             6 Nov  3 02:36 39523396-1980-4e8f-b7b9-40a6ab71b226_resources
drwxr-xr-x.  2 hive         hive             6 Nov  2 22:57 3a617227-dc4f-4277-a53d-ead859e56bf2_resources
drwxr-xr-x.  2 hive         hive             6 Nov  3 17:04 3ca32111-b4a4-42c7-a192-2caf9c6296d7_resources
drwxr-xr-x.  2 hive         hive             6 Nov  4 03:31 3d173d3e-58d6-4042-a32b-12da774dc810_resources
drwxr-xr-x.  2 hive         hive             6 Nov  3 12:57 3e5cdcf1-78cb-4cbb-ae9a-4acedf1d2e71_resources
drwxr-xr-x.  2 hive         hive             6 Nov  3 05:14 40964711-25c2-42db-831b-786a771470d0_resources
-rw-rw-r--.  1 lanlin.s     lanlin.s        74 Nov  3 03:06 4222222222.txt
drwxr-xr-x.  2 hive         hive             6 Nov  3 05:14 4373976e-3216-4cb8-8af7-0f80e34b675a_resources
-rw-rw-r--.  1 hannas       hannas         148 Nov  3 01:57 456414-847.txt
-rw-rw-r--.  1 lanlin.s     lanlin.s        74 Nov  3 03:05 487930-847.txt
-rw-rw-r--.  1 yujie.z      yujie.z         74 Nov  2 23:21 487937-847.txt
-rw-rw-r--.  1 baopeng.x    baopeng.x       74 Oct 28 22:24 489245-847.txt
-rw-rw-r--.  1 zixuan.tong  zixuan.tong     74 Nov  1 19:47 489295-847.txt
-rw-rw-r--.  1 l.xinyu      l.xinyu         74 Nov  3 01:05 489387-847.txt
-rw-rw-r--.  1 lin.liu      lin.liu         74 Oct 30 06:46 489415-847.txt
-rw-rw-r--.  1 c.carol      c.carol         74 Nov  3 02:05 489419-847.txt
-rw-rw-r--.  1 m.xiaoran    m.xiaoran       74 Nov  3 02:50 489420-847.txt
-rw-rw-r--.  1 tianyi.z     tianyi.z        74 Oct 30 15:22 489543-847.txt
-rw-rw-r--.  1 lingxi       lingxi          74 Nov  3 01:01 489631-847.txt
-rw-rw-r--.  1 wen.yian     wen.yian        74 Nov  2 11:37 490877-847.txt
-rw-rw-r--.  1 ruoxi.z      ruoxi.z         74 Nov  3 01:23 490915-867.txt
-rw-rw-r--   1 jinyuan.z    jinyuan.z       74 Nov  4 22:07 491972.txt
-rw-rw-r--.  1 h.lean       h.lean          74 Nov  2 23:04 497451_847.txt
-rw-rw-r--.  1 hawoo.i      hawoo.i         74 Nov  2 01:38 497863-847.txt
-rw-rw-r--   1 fengy22      fengy22         74 Nov  5 01:29 499241_847.txt
-rw-rw-r--.  1 jiaqi.liang  jiaqi.liang      1 Nov  3 01:29 499245-847.txt
-rw-rw-r--.  1 haoyang.t    haoyang.t       73 Nov  2 00:57 499246-827.txt
-rw-rw-r--   1 c.zhijian    c.zhijian       74 Nov  4 20:36 499385_847.txt
-rw-rw-r--   1 anran.l      anran.l         74 Nov  5 02:48 499801_847.txt
-rw-rw-r--.  1 c.jiabao     c.jiabao        91 Nov  3 00:02 499807-847.txt
-rw-rw-r--.  1 x.yingtong   x.yingtong      74 Nov  1 15:40 499816-847.txt
-rw-rw-r--.  1 lingfeng.y   lingfeng.y      74 Nov  1 03:51 499841-847.txt
-rw-rw-r--.  1 yiyang.jiang yiyang.jiang    74 Nov  3 10:40 499922-847.txt
-rw-rw-r--.  1 di.zhu       di.zhu          74 Nov  5 00:59 499927-847.txt
-rw-rw-r--.  1 qianyi.w     qianyi.w        74 Oct 29 23:04 499947-847.txt
-rw-rw-r--.  1 y.yixuan     y.yixuan        74 Nov  3 02:06 499949-847.txt
-rw-rw-r--.  1 c.sibowen    c.sibowen       74 Nov  3 10:41 499962-847.txt
-rw-rw-r--.  1 d.jinhao     d.jinhao       296 Nov  2 22:11 499965-847.txt
-rw-rw-r--.  1 k.qin        k.qin           74 Nov  3 10:06 499966-847.txt
-rw-rw-r--.  1 d.zhenyu     d.zhenyu        74 Nov  1 16:11 499977.txt
```

8-   Clear the screen.

Enter 'clear'.

```
[baoxin.l@ip-172-31-93-164 ~]$ █
```

9-   Visualizes the current processes of your system.

Enter "top'

```
top - 06:41:23 up 1 day,  9:00, 99 users,  load average: 0.56, 0.29, 0.31
Tasks: 737 total,   1 running, 714 sleeping,  22 stopped,   0 zombie
%Cpu(s):  0.8 us,  0.8 sy,  0.0 ni, 98.4 id,  0.0 wa,  0.0 hi,  0.0 si,  0.0 st
KiB Mem : 13070145+total,  4963208 free, 22897224 used, 10284102+buff/cache
KiB Swap:        0 total,        0 free,        0 used. 10670044+avail Mem

  PID USER      PR  NI    VIRT    RES    SHR S  %CPU %MEM     TIME+ COMMAND
 5489 b.nie     20   0  128436   8056   1496 S   4.0  0.0  13:10.85 htop
21843 l.yicha+  20   0  128460   8176   1508 S   4.0  0.0   5:11.29 htop
 1236 root      20   0 3654932  95492   9332 S   2.7  0.1  75:07.76 cmagent
 1265 clouder+  20   0   14.1g   3.1g  28896 S   1.7  2.5  38:48.82 java
 3781 clouder+  20   0   10.9g   1.7g 104160 S   1.3  1.4  54:19.39 java
 1913 root      20   0 9387736  90248   9032 S   1.0  0.1  19:01.73 python2
10534 hongjun+  20   0  162904   3120   1600 S   0.7  0.0   0:44.81 top
25891 yarn      20   0 3314808 770084  42676 S   0.7  0.6  13:42.19 java
28675 impala    20   0 8655508 838680  61688 S   0.7  0.6  10:56.38 impalad
 1231 root      20   0  226960  20520   4252 S   0.3  0.0   2:25.86 python2
 3668 clouder+  20   0   10.6g   1.2g  60656 S   0.3  0.9  11:09.04 java
 3788 clouder+  20   0 8905032 717744  28608 S   0.3  0.5   4:58.52 java
10314 baoxin.l  20   0  162772   2992   1588 R   0.3  0.0   0:00.28 top
10691 l.zongye  20   0  118764   5280   1188 S   0.3  0.0   0:00.06 nano
21329 l.yunfan  20   0  113420   1672   1340 S   0.3  0.0   0:01.85 bash
27325 hive      20   0   10.2g   1.6g  56508 S   0.3  1.2   4:51.41 java
28646 impala    20   0  528840  32572  19052 S   0.3  0.0   4:55.37 statestored
30676 hue       20   0 4248256 289328   9704 S   0.3  0.2  18:40.00 python2.7
    1 root      20   0   52836   4992   2600 S   0.0  0.0   0:29.03 systemd
    2 root      20   0       0      0      0 S   0.0  0.0   0:00.06 kthreadd
    4 root       0 -20       0      0      0 S   0.0  0.0   0:00.00 kworker/0:0H
    5 root      20   0       0      0      0 S   0.0  0.0   0:03.36 kworker/u32:0
    6 root      20   0       0      0      0 S   0.0  0.0   0:02.93 ksoftirqd/0
    7 root      rt   0       0      0      0 S   0.0  0.0   0:01.00 migration/0
    8 root      20   0       0      0      0 S   0.0  0.0   0:00.00 rcu_bh
    9 root      20   0       0      0      0 S   0.0  0.0   1:47.75 rcu_sched
   10 root       0 -20       0      0      0 S   0.0  0.0   0:00.00 lru-add-drain
   11 root      rt   0       0      0      0 S   0.0  0.0   0:00.41 watchdog/0
   12 root      rt   0       0      0      0 S   0.0  0.0   0:00.35 watchdog/1
   13 root      rt   0       0      0      0 S   0.0  0.0   0:00.95 migration/1
   14 root      20   0       0      0      0 S   0.0  0.0   0:02.25 ksoftirqd/1
   16 root       0 -20       0      0      0 S   0.0  0.0   0:00.00 kworker/1:0H
   17 root      rt   0       0      0      0 S   0.0  0.0   0:00.32 watchdog/2
   18 root      rt   0       0      0      0 S   0.0  0.0   0:00.98 migration/2
   19 root      20   0       0      0      0 S   0.0  0.0   0:02.21 ksoftirqd/2
   21 root       0 -20       0      0      0 S   0.0  0.0   0:00.00 kworker/2:0H
   22 root      rt   0       0      0      0 S   0.0  0.0   0:00.34 watchdog/3
   23 root      rt   0       0      0      0 S   0.0  0.0   0:01.05 migration/3
   24 root      20   0       0      0      0 S   0.0  0.0   0:02.01 ksoftirqd/3
   26 root       0 -20       0      0      0 S   0.0  0.0   0:00.00 kworker/3:0H
   27 root      rt   0       0      0      0 S   0.0  0.0   0:00.35 watchdog/4
   28 root      rt   0       0      0      0 S   0.0  0.0   0:00.94 migration/4
   29 root      20   0       0      0      0 S   0.0  0.0   0:03.34 ksoftirqd/4
   31 root       0 -20       0      0      0 S   0.0  0.0   0:00.00 kworker/4:0H
   32 root      rt   0       0      0      0 S   0.0  0.0   0:00.33 watchdog/5
   33 root      rt   0       0      0      0 S   0.0  0.0   0:00.88 migration/5
   34 root      20   0       0      0      0 S   0.0  0.0   0:02.61 ksoftirqd/5
   36 root       0 -20       0      0      0 S   0.0  0.0   0:00.00 kworker/5:0H
   37 root      rt   0       0      0      0 S   0.0  0.0   0:00.32 watchdog/6
   38 root      rt   0       0      0      0 S   0.0  0.0   0:00.85 migration/6
   39 root      20   0       0      0      0 S   0.0  0.0   0:02.27 ksoftirqd/6
   41 root       0 -20       0      0      0 S   0.0  0.0   0:00.00 kworker/6:0H
   42 root      rt   0       0      0      0 S   0.0  0.0   0:00.33 watchdog/7
```

10- What are the key combinations to exit nano?
Control+x