

ASSIGNMENT -4

1. Display the contents of a file using Cat

```
anjalikumari@DESKTOP-D58MQ92: /mnt/e/iht
anjalikumari@DESKTOP-D58MQ92:/mnt/e/iht$ cat newfile.txt
Linux is the best-known and most-used open source operating system.
Linux is software that sits underneath all of the other software on a computer, receiving requests from those programs and relaying these requests to the computer's hardware.

What is Linux Programming
The Linux Programming Interface: A Linux and UNIX System Programming Handbook is a book written by Michael Kerrisk, which documents the APIs of the Linux kernel and of the GNU C Library.

Uses for Linux Programming
Of the benefits of a Linux Programming operating system, Linux Programming is one of the most important is its usability. Generally speaking, once you become familiar with Linux programming, developing and working with a Linux operating system is a relatively user-friendly experience.
Some of the key benefits of a Linux OS include:

Linux Programming is open-source, which makes it easily modifiable by anyone with sufficient programming knowledge
Linux Programming OS is a budget-friendly option, with a seemingly endless list of applications and programs -many of them low cost or completely free
Linux Programming has a reputation of being one of the most stable and reliable operating systems, being capable of running for extended periods while demanding little in terms of maintenance
In an age where cybersecurity is a major concern, a Linux operating system ranks among the most secure, with a global community that's continually focused on building upon its strength as a secure system.

anjalikumari@DESKTOP-D58MQ92:/mnt/e/iht$
```

2. Find all the lines which contains the text "linux programming " from the given file using grep command.

```
anjalikumari@DESKTOP-D58MQ92:/mnt/e/iht$ who | grep Linux Programming newfile.txtgrep: Programming: No such file or directory
newfile.txt:Linux is the best-known and most-used open source operating system.
newfile.txt:Linux is software that sits underneath all of the other software on a computer, receiving requests from those programs and relaying these requests to the computer's hardware.
newfile.txt:What is Linux Programming
newfile.txt:The Linux Programming Interface: A Linux and UNIX System Programming Handbook is a book written by Michael Kerrisk, which documents the APIs of the Linux kernel and of the GNU C Library.
newfile.txt:Uses for Linux Programming
newfile.txt:Of the benefits of a Linux Programming operating system, Linux Programming is one of the most important is its usability. Generally speaking, once you become familiar with Linux programming, developing and working with a Linux operating system is a relatively user-friendly experience.
newfile.txt:Some of the key benefits of a Linux OS include:
newfile.txt:Linux Programming is open-source, which makes it easily modifiable by anyone with sufficient programming knowledge
newfile.txt:Linux Programming OS is a budget-friendly option, with a seemingly endless list of applications and programs -many of them low cost or completely free
newfile.txt:Linux Programming has a reputation of being one of the most stable and reliable operating systems, being capable of running for extended periods while demanding little in terms of maintenance
newfile.txt:In an age where cybersecurity is a major concern, a Linux operating system ranks among the most secure, with a global community that's continually focused on building upon its strength as a secure system.
anjalikumari@DESKTOP-D58MQ92:/mnt/e/iht$ who | grep Linux Programming newfile.txt | wc -l
grep: Programming: No such file or directory
11
```

3. Create a text file called names.txt and write the names in un sorted order and display these names in sorted order using sort command.

```
anjalikumari@DESKTOP-D58MQ92: /mnt/e/iht
anjalikumari@DESKTOP-D58MQ92:/mnt/e/iht$ touch names.txt
anjalikumari@DESKTOP-D58MQ92:/mnt/e/iht$ ls
employees names.txt newfile.txt trainees trainers
anjalikumari@DESKTOP-D58MQ92:/mnt/e/iht$ ls -l
total 4
drwxrwxrwx 1 anjalikumari anjalikumari 512 Mar 25 15:06 employees
-rwxrwxrwx 1 anjalikumari anjalikumari  0 Apr  1 22:42 names.txt
-rwxrwxrwx 1 anjalikumari anjalikumari 511 Apr  1 22:40 newfile.txt
drwxrwxrwx 1 anjalikumari anjalikumari 512 Mar 25 15:12 trainees
drwxrwxrwx 1 anjalikumari anjalikumari 512 Mar 25 14:58 trainers
```

```
anjalikumari@DESKTOP-D58MQ92:/mnt/e/iiht$ cat names.txt
```

```
Godwin
Mike
Abagnale
Frank
Abbey
Edward
Abel
Reuben
Hermann
Johann Wolfgang von
Gogh
Vincent Willem Van
Gogol
Nikolai Vasilievich
Aaron
Hank
Haunt
Bella
Solomon
Solzhenitsyn
Alexander
Sontag
Susan
Soong May-ling
Sorkin
Soros
George
Zyan
Xaman
Abelson
Abourezk
James
Abram
```

```
anjalikumari@DESKTOP-D58MQ92:/mnt/e/iiht$ sort names.txt
```

```
Aaron
Abagnale
Abbey
Abel
Abelson
Abourezk
Abram
Ace
Alexander
Bella
Creighton
Edward
Frank
George
Godwin
Gogh
Gogol
Hank
Haunt
Hermann
James
Jane
Johann Wolfgang von
Mike
Nikolai Vasilievich
Reuben
Solomon
Solzhenitsyn
Sontag
Soong May-ling
Sorkin
Soros
Susan
Vincent Willem Van
Xaman
Zyan
```

4. Count the number of lines, words and blank spaces using wc command in the given file.

```
anjalikumari@DESKTOP-D58MQ92:/mnt/e/iiht$ wc newfile.txt
 16  232 1511 newfile.txt
anjalikumari@DESKTOP-D58MQ92:/mnt/e/iiht$ wc newfile.txt -l
16 newfile.txt
anjalikumari@DESKTOP-D58MQ92:/mnt/e/iiht$ wc newfile.txt -l -w
 16  232 newfile.txt
anjalikumari@DESKTOP-D58MQ92:/mnt/e/iiht$ wc newfile.txt -l -m
 16 1507 newfile.txt
anjalikumari@DESKTOP-D58MQ92:/mnt/e/iiht$ wc newfile.txt -w
232 newfile.txt
anjalikumari@DESKTOP-D58MQ92:/mnt/e/iiht$ grep " " newfile.txt | wc
 11   232  1501
anjalikumari@DESKTOP-D58MQ92:/mnt/e/iiht$
```