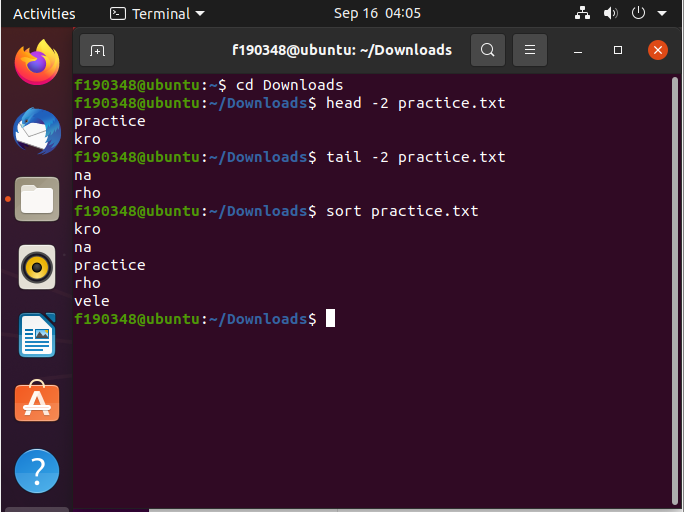
**M. Ali. Arslan**

**19F-0348**

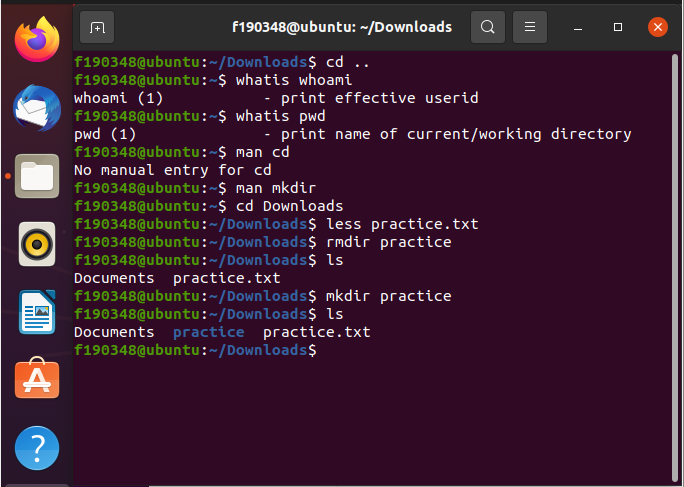
**OS Assignment # 02**

**Commands**

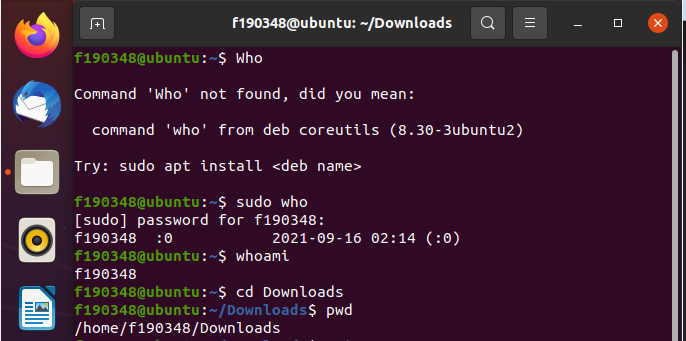
* **cd** is used for change directory
* **head** show first 2 lines in a file
* **tail** shows last 2 lines in a file
* **sort** is used to sort the words in a file



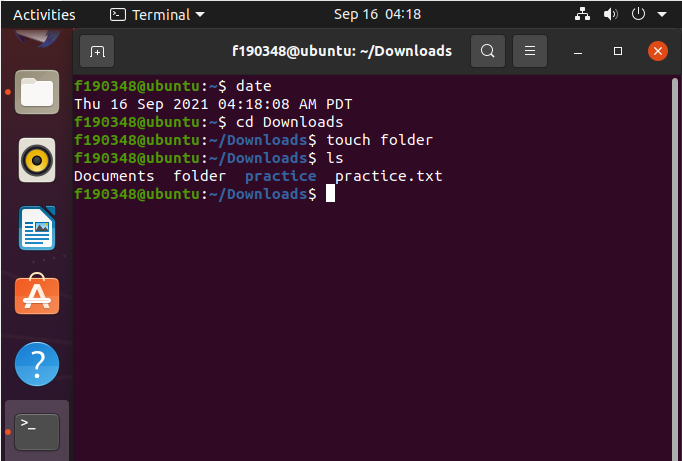
* **cd ..** is used to go back from current directory
* **whatis** is used to print details of a command
* **whoami** print the username
* **pwd** isused to print name of current directory
* **man** is used to print manual of a command
* **less** is used to display less content in a file
* **rmdir** isused to remove directory
* **mkdir** is used to make directory
* **ls** is used to show list of files in directory



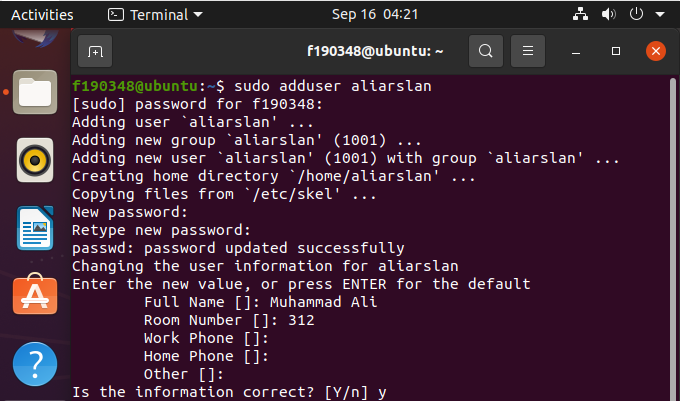
* **sudo** is super user do, give u rights of being an admin
* **sudo who** print user’s details



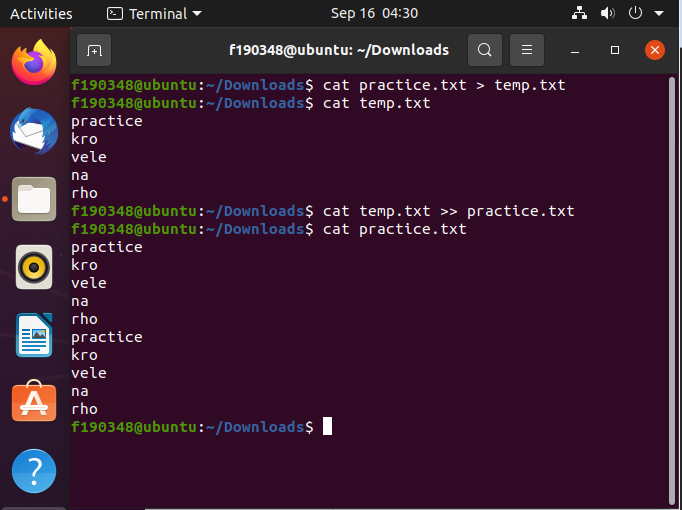
* **date** prints current time & date
* **touch** is used to create a file



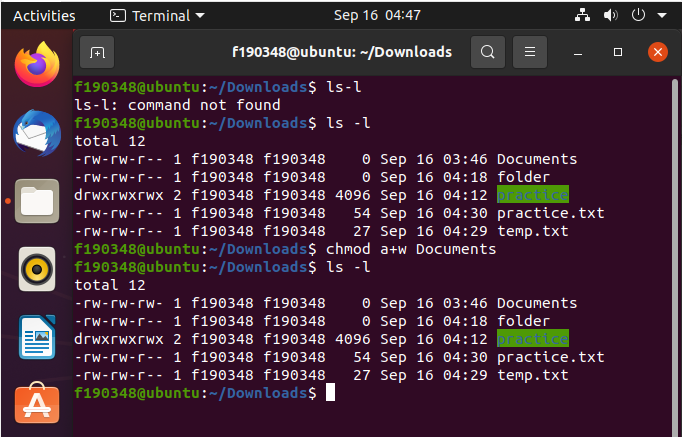
* **Sudo adduser** is used to add a new user to ubuntu



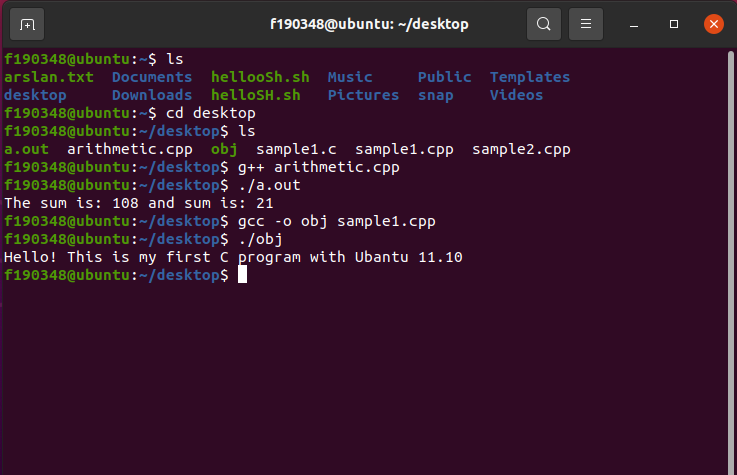
* **cat** is used to display a file’s content
* **cat practice.txt > temp.txt** is moving data from 1 file to other
* **cat temp.txt >> practice.txt** is concatenating data in file



* **ls -l** is used to print list of files with their extra details



* **g++ <filename>** is used to compile C++ code in a file
* **./a.out** is used to display the output
* **gcc -o obj <filename>** is used to compile a C code in file
* **./obj** is used to display output of C code



* **echo** is used to display the given message
* **exit** is used to exit the shell

Text

Description automatically generated

* **clear** is used to clear the terminal

Text

Description automatically generated

* su is used to switch user



* **echo $SHELL** tells us the current location of running shell
* **ls | sort** is used to sort output from “ls‟ command

Text

Description automatically generated

* **vi <filename>** will open file in vi console editor

Text

Description automatically generated

* **pstree** is used to show hierarchy of how our OS work

Text

Description automatically generated

* **passwd** changes password of user

Graphical user interface, text

Description automatically generated

* **apt-get update** is used to update the programs in OS

Graphical user interface, text

Description automatically generated

* **ls** Download / will show list of Download’s files and folders
* **ls /** will show list of root directory
* **ls ..** will go one folder back
* **ls -al** will give u both hidden files and long list and will sort directory in size

Text

Description automatically generated

* **Vi <filename>** is used to create a file for bash
* **./filename** is used to execute that file

Graphical user interface, text

Description automatically generated

**Shell Scipting**

**1. Calculator**

Text

Description automatically generated

Text

Description automatically generated

**2. Array of 10 Elements**

Graphical user interface, text

Description automatically generated

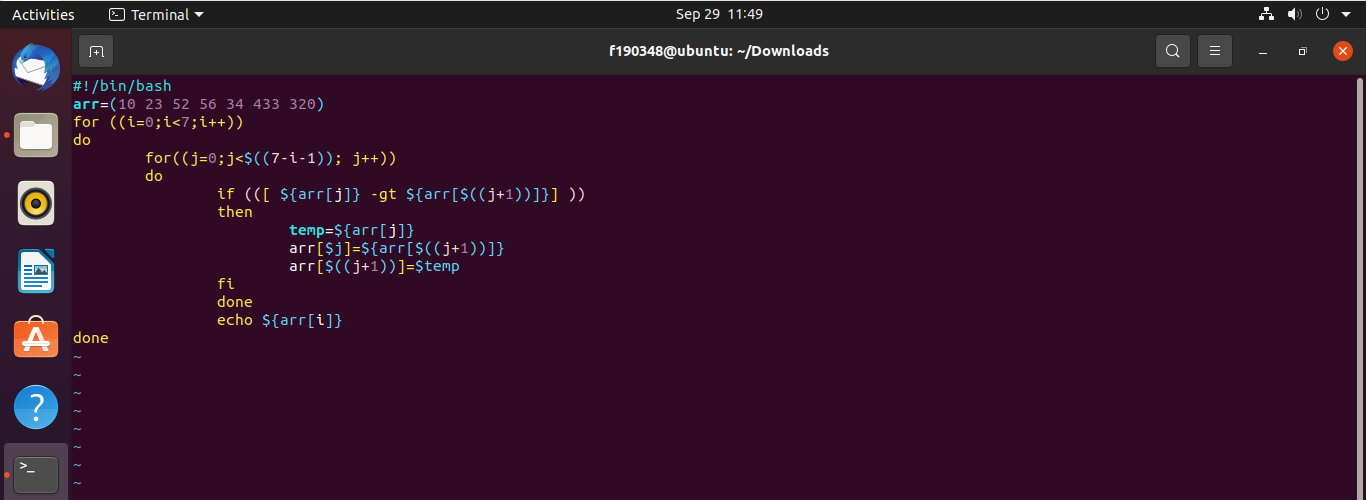
Graphical user interface, text

Description automatically generated

**3. Sort Elements of Array**

A screenshot of a computer

Description automatically generated



**Task # 01**

**Guidance regarding basic Ubuntu Utilities**

Text

Description automatically generated

Text

Description automatically generated

Graphical user interface, text, application, website

Description automatically generated

Graphical user interface, text, application

Description automatically generated

Graphical user interface, application

Description automatically generated

**Task # 02**

**Change rights of file**

A screenshot of a computer

Description automatically generated with medium confidence

Graphical user interface, text, application, email, website

Description automatically generated