

## OS Assignment 1 Solution Screenshots

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Form no: 241200817

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cdac@DESKTOP-90AJIGE: ~/LinuxAssignment
Turkmenistan
cdac@DESKTOP-90AJIGE:~/LinuxAssignment$ mkdir docs
cdac@DESKTOP-90AJIGE:~/LinuxAssignment$ ls LinuxAssignment
ls: cannot access 'LinuxAssignment': No such file or directory
cdac@DESKTOP-90AJIGE:~/LinuxAssignment$ cd docs
cdac@DESKTOP-90AJIGE:~/LinuxAssignment/docs$ cd ~ LinuxAssignment
-bash: cd: too many arguments
cdac@DESKTOP-90AJIGE:~/LinuxAssignment/docs$ cd
cdac@DESKTOP-90AJIGE:~$ cd LinuxAssignment
cdac@DESKTOP-90AJIGE:~/LinuxAssignment$ cp file1.txt docs/
cdac@DESKTOP-90AJIGE:~/LinuxAssignment$ ls
docs  file1.txt
cdac@DESKTOP-90AJIGE:~/LinuxAssignment$ mv docs/file1.txt docs/file2.txt
cdac@DESKTOP-90AJIGE:~/LinuxAssignment$ cd docs
cdac@DESKTOP-90AJIGE:~/LinuxAssignment/docs$ ls
file2.txt
cdac@DESKTOP-90AJIGE:~/LinuxAssignment/docs$ chmod 744 file2.txt
cdac@DESKTOP-90AJIGE:~/LinuxAssignment/docs$ sudo chown $(whoami) file2.txt
[sudo] password for cdac:
cdac@DESKTOP-90AJIGE:~/LinuxAssignment/docs$ cd
cdac@DESKTOP-90AJIGE:~$ cd LinuxAssignment
cdac@DESKTOP-90AJIGE:~/LinuxAssignment$ ls
docs  file1.txt
cdac@DESKTOP-90AJIGE:~/LinuxAssignment$ find . -type f -name "*.txt"
./docs/file2.txt
./file1.txt
cdac@DESKTOP-90AJIGE:~/LinuxAssignment$ grep "India" file1.txt
India
cdac@DESKTOP-90AJIGE:~/LinuxAssignment$ date
Thu Feb 27 06:39:27 UTC 2025
cdac@DESKTOP-90AJIGE:~/LinuxAssignment$ hostname -I
192.168.29.17 2405:201:1014:9083:e707:6aea:3d81:6b4c 2405:201:1014:9083:384b:9793:4e6:2a67
cdac@DESKTOP-90AJIGE:~/LinuxAssignment$ ping google.com
PING google.com (2404:6800:4009:824::200e) 56 data bytes
64 bytes from bom07s31-in-x0e.1e100.net (2404:6800:4009:824::200e): icmp_seq=1 ttl=118 time=20.6 ms
64 bytes from bom07s31-in-x0e.1e100.net (2404:6800:4009:824::200e): icmp_seq=2 ttl=118 time=21.2 ms
64 bytes from bom07s31-in-x0e.1e100.net (2404:6800:4009:824::200e): icmp_seq=3 ttl=118 time=22.1 ms
^C
Go to Settings to activate Windows.
--- google.com ping statistics ---
```



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cdac@DESKTOP-90AJIGE: ~/LinuxAssignment
Afganistan
Turkmenistan
cdac@DESKTOP-90AJIGE:~/LinuxAssignment$ touch data.txt
cdac@DESKTOP-90AJIGE:~/LinuxAssignment$ nano data.txt
cdac@DESKTOP-90AJIGE:~/LinuxAssignment$ head -n 10 data.txt
Andhra Pradesh
Arunachal Pradesh
Assam
Bihar
Chhattisgarh
Goa
Gujarat
Haryana
Himachal
Pradesh
cdac@DESKTOP-90AJIGE:~/LinuxAssignment$ tail -n 5 data.txt
Telangana
Tripura
Uttar Pradesh
Uttarakhand
West Bengal
cdac@DESKTOP-90AJIGE:~/LinuxAssignment$ touch numbers.txt
cdac@DESKTOP-90AJIGE:~/LinuxAssignment$ nano numbers.txt
cdac@DESKTOP-90AJIGE:~/LinuxAssignment$ head -n 15 numbers.txt
101
102
103
104
105
106
107
108
109
110
111
112
113
114
115
cdac@DESKTOP-90AJIGE:~/LinuxAssignment$ tail -n 5 numbers.txt
116
117
118
119
120
```

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cdac@DESKTOP-90AJIGE: ~/LinuxAssignment
cdac@DESKTOP-90AJIGE:~/LinuxAssignment$ tail -n 3 numbers.txt
118
119
120
cdac@DESKTOP-90AJIGE:~/LinuxAssignment$ touch input.txt
cdac@DESKTOP-90AJIGE:~/LinuxAssignment$ nano input.txt
cdac@DESKTOP-90AJIGE:~/LinuxAssignment$ touch output.txt
cdac@DESKTOP-90AJIGE:~/LinuxAssignment$ tr 'a-z' 'A-Z' < input.txt > output.txt
cdac@DESKTOP-90AJIGE:~/LinuxAssignment$ cat output.txt
INDIA IS MY COUNTRY. ALL INDIANS ARE MY BROTHERS AND SISTERS
I LOVE MY COUNTRY AND I AM PROUD OF ITS RICH AND VARIED HERITAGE
cdac@DESKTOP-90AJIGE:~/LinuxAssignment$ cat input.txt
India is my country. All Indians are my brothers and sisters
I love my country and I am proud of its rich and varied heritage
cdac@DESKTOP-90AJIGE:~/LinuxAssignment$ touch duplicate.txt
cdac@DESKTOP-90AJIGE:~/LinuxAssignment$ nano duplicate.txt
cdac@DESKTOP-90AJIGE:~/LinuxAssignment$ cat duplicate.txt
India is my country. All Indians are my brothers and sisters.
I love my country and I am proud of its rich and varied heritage.
India is my country. All Indians are my brothers and sisters.
I love my country and I am proud of its rich and varied heritage.
India is my country. All Indians are my brothers and sisters.
I love my country and I am proud of its rich and varied heritage.
cdac@DESKTOP-90AJIGE:~/LinuxAssignment$ sort duplicate.txt | unique
Command 'unique' not found, but can be installed with:
sudo apt install john
cdac@DESKTOP-90AJIGE:~/LinuxAssignment$ sudo apt install john
[sudo] password for cdac:
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  john-data libgomp1
Suggested packages:
  wordlist
The following NEW packages will be installed:
  john john-data libgomp1
0 upgraded, 3 newly installed, 0 to remove and 97 not upgraded.
Need to get 9499 kB of archives.
After this operation, 21.0 MB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://archive.ubuntu.com/ubuntu noble/main amd64 john-data all 1.9.0-2build1
[9141 kB]
```

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cdac@DESKTOP-90AJIGE: ~/LinuxAssignment
The following NEW packages will be installed:
  john john-data libgomp1
0 upgraded, 3 newly installed, 0 to remove and 97 not upgraded.
Need to get 9499 kB of archives.
After this operation, 21.0 MB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://archive.ubuntu.com/ubuntu noble/main amd64 john-data all 1.9.0-2build1
[9141 kB]
Get:2 http://archive.ubuntu.com/ubuntu noble-updates/main amd64 libgomp1 amd64 14.2
.0-4ubuntu2~24.04 [148 kB]
Get:3 http://archive.ubuntu.com/ubuntu noble/main amd64 john amd64 1.9.0-2build1 [2
10 kB]
Fetched 9499 kB in 7s (1456 kB/s)
Selecting previously unselected package john-data.
(Reading database ... 40834 files and directories currently installed.)
Preparing to unpack .../john-data_1.9.0-2build1_all.deb ...
Unpacking john-data (1.9.0-2build1) ...
Selecting previously unselected package libgomp1:amd64.
Preparing to unpack .../libgomp1_14.2.0-4ubuntu2~24.04_amd64.deb ...
Unpacking libgomp1:amd64 (14.2.0-4ubuntu2~24.04) ...
Selecting previously unselected package john.
Preparing to unpack .../john_1.9.0-2build1_amd64.deb ...
Unpacking john (1.9.0-2build1) ...
Setting up libgomp1:amd64 (14.2.0-4ubuntu2~24.04) ...
Setting up john-data (1.9.0-2build1) ...
Setting up john (1.9.0-2build1) ...
Processing triggers for man-db (2.12.0-4build2) ...
Processing triggers for libc-bin (2.39-0ubuntu8.3) ...
cdac@DESKTOP-90AJIGE:~/LinuxAssignment$ sort duplicate.txt | unique
Usage: unique OUTPUT-FILE
cdac@DESKTOP-90AJIGE:~/LinuxAssignment$ cat duplicate.txt
India is my country. All Indians are my brothers and sisters.
I love my country and I am proud of its rich and varied heritage.
India is my country. All Indians are my brothers and sisters.
I love my country and I am proud of its rich and varied heritage.
India is my country. All Indians are my brothers and sisters.
I love my country and I am proud of its rich and varied heritage.
cdac@DESKTOP-90AJIGE:~/LinuxAssignment$ sort duplicate.txt | uniq
I love my country and I am proud of its rich and varied heritage.
India is my country. All Indians are my brothers and sisters.
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cdac@DESKTOP-90AJIGE:~/LinuxAssignment$
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cdac@DESKTOP-90AJIGE:~/LinuxAssignment$ sort duplicate.txt | uniq
I love my country and I am proud of its rich and varied heritage.
India is my country. All Indians are my brothers and sisters.
India is my country. All Indians are my brothers and sisters.
cdac@DESKTOP-90AJIGE:~/LinuxAssignment$ touch fruit.txt
cdac@DESKTOP-90AJIGE:~/LinuxAssignment$ nano fruit.txt
cdac@DESKTOP-90AJIGE:~/LinuxAssignment$ sort fruit.txt | uniq -c
  1 Ananas
  2 Apple
  2 Banana
  2 Chiku
  1 Mango
  3 Papaya
  1 Watermelon
cdac@DESKTOP-90AJIGE:~/LinuxAssignment$
```

Thank You  
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