

```

ubuntu@ip-172-31-17-32:~/DOS-A2-9426$ cat > a.txt <<EOF
> 1
> 2
> 4
> 6
> 8
> 3
> EOF
ubuntu@ip-172-31-17-32:~/DOS-A2-9426$ cat > b.txt <<EOF
> 12
> 67
> 11
> 6
> EOF
ubuntu@ip-172-31-17-32:~/DOS-A2-9426$ cat > c.txt <<EOF
> 45
> 76
> 99
> EOF
ubuntu@ip-172-31-17-32:~/DOS-A2-9426$ cat > prog.sh <<EOF
> #!/bin/bash
> cat a.txt b.txt c.txt > result.txt
> sort result.txt
> EOF
ubuntu@ip-172-31-17-32:~/DOS-A2-9426$ ls -l prog.sh
-rw-rw-r-- 1 ubuntu ubuntu 63 Oct 23 07:33 prog.sh
ubuntu@ip-172-31-17-32:~/DOS-A2-9426$ chmod +x prog.sh
ubuntu@ip-172-31-17-32:~/DOS-A2-9426$ ls -l prog.sh
-rwxrwxr-x 1 ubuntu ubuntu 63 Oct 23 07:33 prog.sh

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ubuntu@ip-172-31-17-32:~/DOS-A2-9426$ ./prog.sh
1
11
12
2
3
4
45
6
6
67
76
8
99

```

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ubuntu@ip-172-31-17-32:~/DOS-A2-9426$ cat > systeminfo.sh <<EOF
> #!/bin/bash
> echo "Login Name : $USER"
> echo "Unix System : $(uname -o)"
> echo "Shell Type : $SHELL"
> echo "Current Directory : $(pwd)"
> echo "Files in Current Directory ->"
> ls -l
> EOF
ubuntu@ip-172-31-17-32:~/DOS-A2-9426$ chmod +x systeminfo.sh
ubuntu@ip-172-31-17-32:~/DOS-A2-9426$ ./systeminfo.sh
Login Name : ubuntu
Unix System : GNU/Linux
Shell Type : /bin/bash
Current Directory : /home/ubuntu/DOS-A2-9426
Files in Current Directory ->
total 24
-rw-rw-r-- 1 ubuntu ubuntu 12 Oct 23 07:32 a.txt
-rw-rw-r-- 1 ubuntu ubuntu 11 Oct 23 07:32 b.txt
-rw-rw-r-- 1 ubuntu ubuntu 9 Oct 23 07:33 c.txt
-rwxrwxr-x 1 ubuntu ubuntu 63 Oct 23 07:33 prog.sh
-rw-rw-r-- 1 ubuntu ubuntu 32 Oct 23 07:34 result.txt
-rwxrwxr-x 1 ubuntu ubuntu 195 Oct 23 07:45 systeminfo.sh

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ubuntu@ip-172-31-17-32:~/DOS-A2-9426$ cat > dtcal.sh <<EOF
> #!/bin/bash
> echo "Date : $(date)"
> echo "Calender : $(cal 10 2024)"
> EOF
ubuntu@ip-172-31-17-32:~/DOS-A2-9426$ chmod 777 dtcal.sh
ubuntu@ip-172-31-17-32:~/DOS-A2-9426$ ls -l dtcal.sh
-rwxrwxrwx 1 ubuntu ubuntu 257 Oct 23 07:48 dtcal.sh
ubuntu@ip-172-31-17-32:~/DOS-A2-9426$ ./dtcal.sh
Date : Wed Oct 23 07:48:15 UTC 2024
Calender :      October 2024
Su Mo Tu We Th Fr Sa
      1  2  3  4  5
  6  7  8  9 10 11 12
13 14 15 16 17 18 19
20 21 22 23 24 25 26
27 28 29 30 31

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ubuntu@ip-172-31-17-32:~/DOS-A2-9426$ cat > nvwc.sh
#!/bin/bash
FILE="dtcal.sh"
LINE_COUNT=$(wc -l < "$FILE")
WORD_COUNT=$(wc -w < "$FILE")
CHAR_COUNT=$(wc -c < "$FILE")

echo "File Name : $FILE"
echo "Line Count : $LINE_COUNT"
echo "Word Count : $WORD_COUNT"
echo "Char Count : $CHAR_COUNT"
^C
ubuntu@ip-172-31-17-32:~/DOS-A2-9426$ chmod +x nvwc.sh
ubuntu@ip-172-31-17-32:~/DOS-A2-9426$ ls -l nvwc.sh
-rwxrwxr-x 1 ubuntu ubuntu 240 Oct 23 12:18 nvwc.sh
ubuntu@ip-172-31-17-32:~/DOS-A2-9426$ ./nvwc.sh
File Name : dtcal.sh
Line Count : 10
Word Count : 54
Char Count : 257
ubuntu@ip-172-31-17-32:~/DOS-A2-9426$ |

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ubuntu@ip-172-31-17-32:~/DOS-A2-9426$ cat > nvwc2.sh
#!/bin/bash
FILE="$1"
LINE_COUNT=$(wc -l < "$FILE")
WORD_COUNT=$(wc -w < "$FILE")
CHAR_COUNT=$(wc -c < "$FILE")

echo "$FILE"
echo "Line Count : $LINE_COUNT"
echo "Word Count : $WORD_COUNT"
echo "Char Count : $CHAR_COUNT"

^C
ubuntu@ip-172-31-17-32:~/DOS-A2-9426$ chmod +x nvwc2.sh
ubuntu@ip-172-31-17-32:~/DOS-A2-9426$ ./nvwc2.sh dtcal.sh
dtcal.sh
Line Count : 10
Word Count : 54
Char Count : 257

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```
ubuntu@ip-172-31-17-32:~/DOS-A2-9426$ cat > darg.sh
#!/bin/bash
echo "Total number of arguments : $#"
echo "First Argument is : ${1:-None}"
echo "Second Argument is : ${2:-None}"
echo "All Arguments are : $@"
^C
ubuntu@ip-172-31-17-32:~/DOS-A2-9426$ chmod +x darg.sh
ubuntu@ip-172-31-17-32:~/DOS-A2-9426$ ./darg.sh a1 a2 a3 a4 a6
Total number of arguments : 5
First Argument is : a1
Second Argument is : a2
All Arguments are : a1 a2 a3 a4 a6
ubuntu@ip-172-31-17-32:~/DOS-A2-9426$ |
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ubuntu@ip-172-31-17-32:~/DOS-A2-9426$ cat > ndisp.sh
#!/bin/bash
N="$1"
M="$2"
FILE="$3"
echo "First $N lines of $FILE :"
head -n "$N" "$FILE"
echo "Last $M lines of $FILE :"
tail -n "$M" "$FILE"
^C
ubuntu@ip-172-31-17-32:~/DOS-A2-9426$ chmod +x ndisp.sh
ubuntu@ip-172-31-17-32:~/DOS-A2-9426$ cat > myfile.txt
1
5
12
somnath
hello
6
^C
ubuntu@ip-172-31-17-32:~/DOS-A2-9426$ ./ndisp.sh 1 4 myfile.txt
First 1 lines of myfile.txt :
1
Last 4 lines of myfile.txt :
12
somnath
hello
6
ubuntu@ip-172-31-17-32:~/DOS-A2-9426$ |
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