

NSA LAB

EXERCISE 4

1. Use the cat command to create a file containing the following data. Call it myfile

use tabs to separate the fields.

1001 RAM 97

1025 ARUN 86

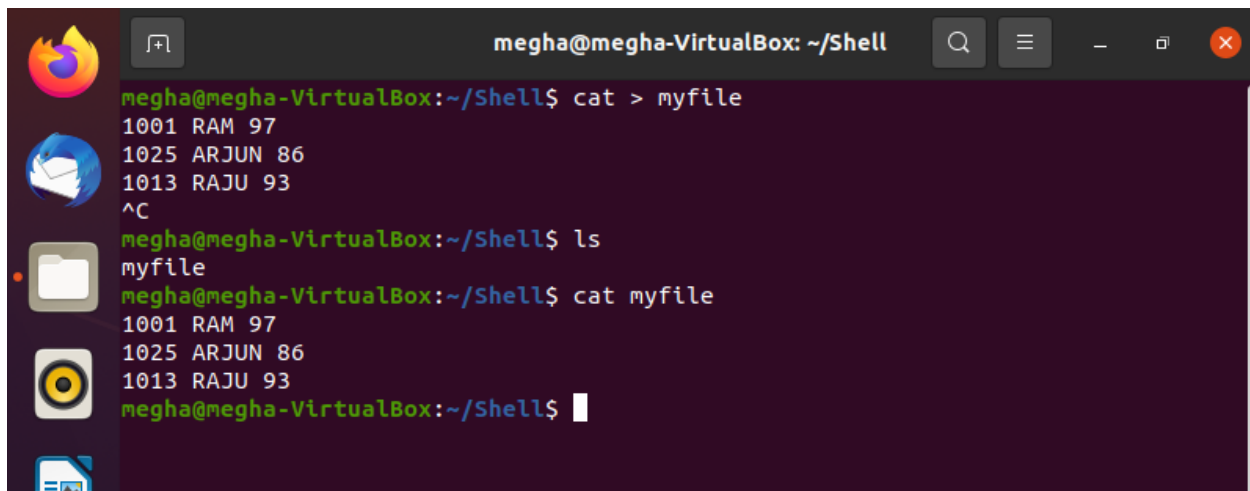
1013 RAJU 93

cat > myfile

1001 RAM 97

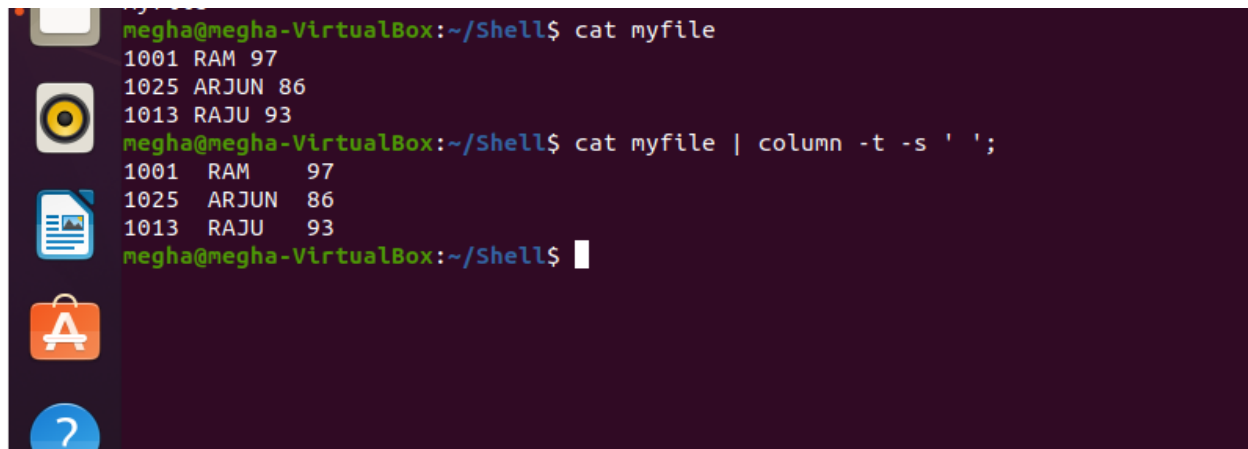
1025 ARUN 86

1013 RAJU 93



```
megha@megha-VirtualBox: ~/Shell
megha@megha-VirtualBox:~/Shell$ cat > myfile
1001 RAM 97
1025 ARJUN 86
1013 RAJU 93
^C
megha@megha-VirtualBox:~/Shell$ ls
myfile
megha@megha-VirtualBox:~/Shell$ cat myfile
1001 RAM 97
1025 ARJUN 86
1013 RAJU 93
megha@megha-VirtualBox:~/Shell$
```

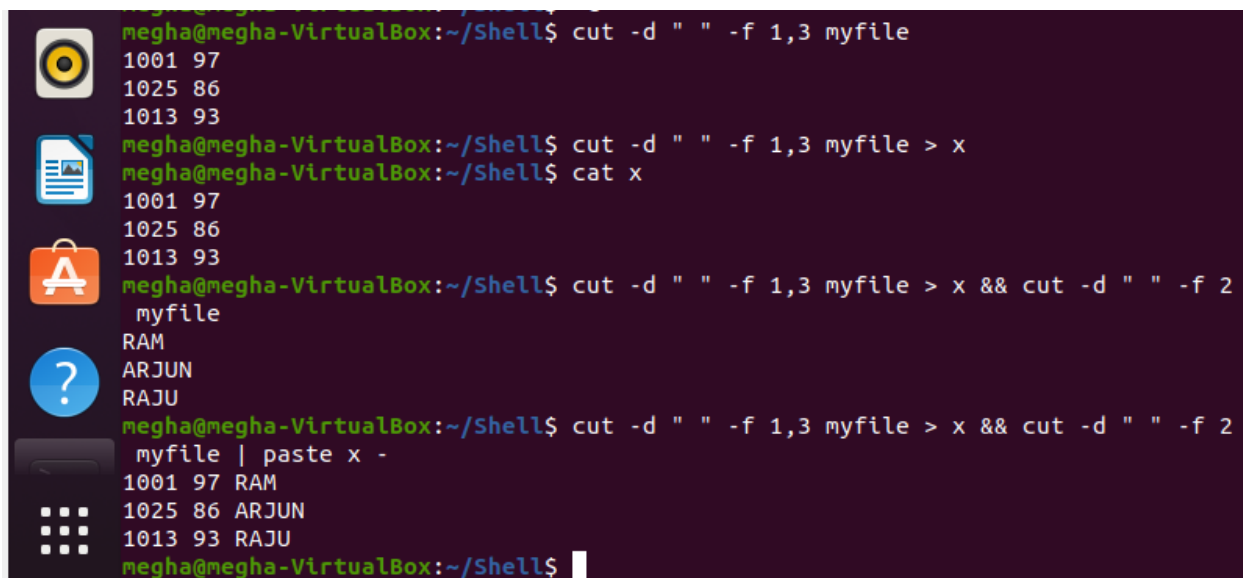
cat myfile | column -t -s ' ';



```
megha@megha-VirtualBox:~/Shell$ cat myfile
1001 RAM 97
1025 ARJUN 86
1013 RAJU 93
megha@megha-VirtualBox:~/Shell$ cat myfile | column -t -s ' ';
1001  RAM    97
1025  ARJUN  86
1013  RAJU   93
megha@megha-VirtualBox:~/Shell$
```

2. Use the cut and paste commands to swap fields 2 and 3 of myfile.

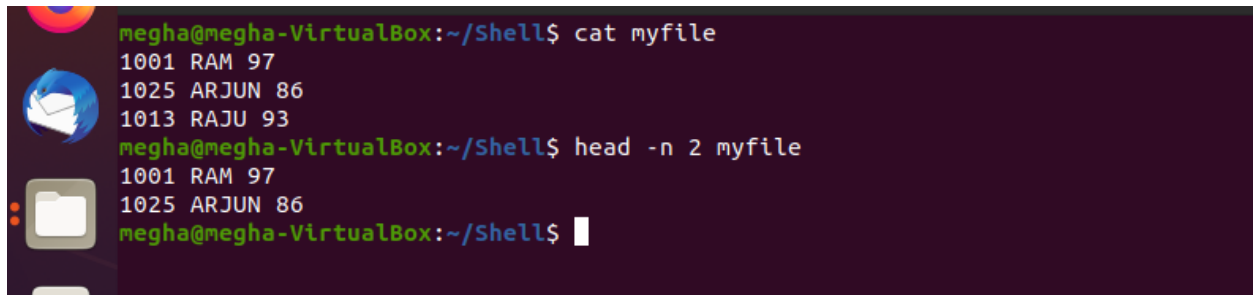
cut -d " " -f 1,3 myfile > x && cut -d " " -f 2 myfile | paste x -



```
megha@megha-VirtualBox:~/Shell$ cut -d " " -f 1,3 myfile
1001 97
1025 86
1013 93
megha@megha-VirtualBox:~/Shell$ cut -d " " -f 1,3 myfile > x
megha@megha-VirtualBox:~/Shell$ cat x
1001 97
1025 86
1013 93
megha@megha-VirtualBox:~/Shell$ cut -d " " -f 1,3 myfile > x && cut -d " " -f 2
myfile
RAM
ARJUN
RAJU
megha@megha-VirtualBox:~/Shell$ cut -d " " -f 1,3 myfile > x && cut -d " " -f 2
myfile | paste x -
1001 97 RAM
1025 86 ARJUN
1013 93 RAJU
megha@megha-VirtualBox:~/Shell$
```

3. Print first 2 rows of the file myfile

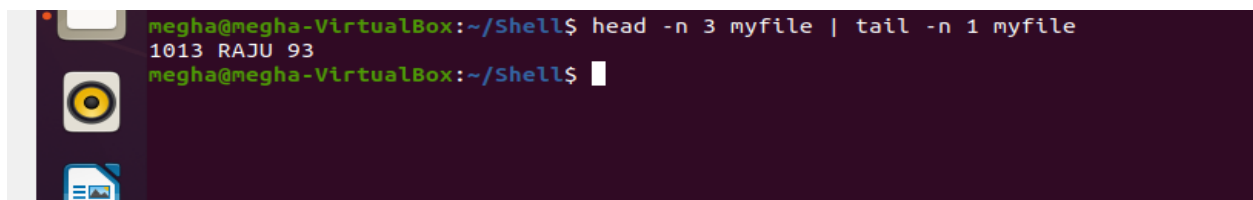
head -n 2 myfile



```
megha@megha-VirtualBox:~/Shell$ cat myfile
1001 RAM 97
1025 ARJUN 86
1013 RAJU 93
megha@megha-VirtualBox:~/Shell$ head -n 2 myfile
1001 RAM 97
1025 ARJUN 86
megha@megha-VirtualBox:~/Shell$
```

4. Print the contents of 3rd row only of the file myfile

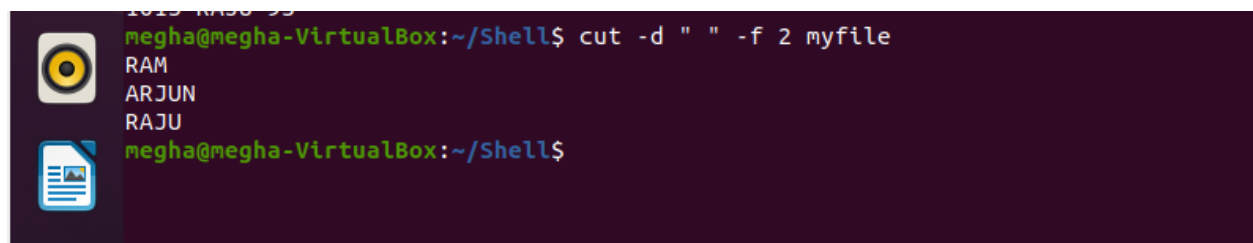
head -n 3 myfile | tail -n 1 myfile



```
megha@megha-VirtualBox:~/Shell$ head -n 3 myfile | tail -n 1 myfile
1013 RAJU 93
megha@megha-VirtualBox:~/Shell$
```

5. Print the names only from the file myfile

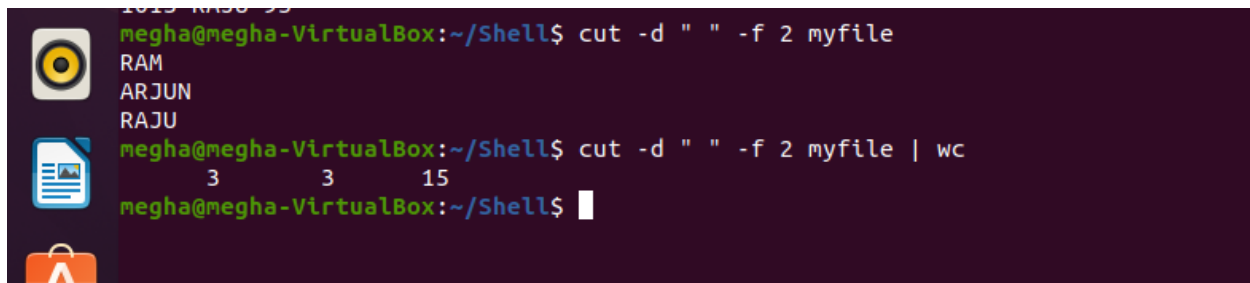
cut -d " " -f 2 myfile



```
megha@megha-VirtualBox:~/Shell$ cut -d " " -f 2 myfile
RAM
ARJUN
RAJU
megha@megha-VirtualBox:~/Shell$
```

- Count the number of Lines, words and characters from the previous output

`cut -d " " -f 2 myfile | wc`



```
megha@megha-VirtualBox:~/Shell$ cut -d " " -f 2 myfile
RAM
ARJUN
RAJU
megha@megha-VirtualBox:~/Shell$ cut -d " " -f 2 myfile | wc
      3      3     15
megha@megha-VirtualBox:~/Shell$
```
