# Solution M3 (@vasilmg)

*Please fill in your* ***SoftUni username*** *above. Name the file* ***M3-Solution****, prepare a compressed archive, and upload it to the* ***SoftUni*** *site*

### Virtual Machine #1

**CHECK:** *Paste the solution check link here*

Include the commands you used for every step. Also include the output if you like (either as pictures or as text)

1.$ cp /etc/services services

2.$ grep ^# services > services\_comments.txt

3.$ grep ^[^#] services > services\_wo\_comments.txt

4.$ grep ^[^#] services | grep udp > services\_udp.txt

5.$ vi services\_wo\_comments.txt

6./socks

7.dG

8.:w well-known-ports.txt

9.:q!

10.$ head -n 100 well-known-ports.txt | tr / - > 100-well-known-ports.txt

11.$ vi doc1.txt

entered text:

“ 10-IT-HQ

20-Accounting-HQ

30-Help Desk-Remote

40-Sales-HQ”

:wq

12.$ vi doc2.txt

entered text:

“10-B.Thomas

20-J.Foster

30-G.Smith

40-F.Hudson”

:wq

13.$ join -t '-' -j 1 doc1.txt doc2.txt > doc3.txt

14.$ awk -F '-' '{print $3}' doc3.txt | sort -u > locations.txt

15.$ awk -F '-' '{print $3}' doc3.txt | sort -u | wc -l > locations-count.txt

16.$ sudo find /etc -type f -size -200c -exec ls -ld {} + | awk '{print $NF}' > small-etc-files.txt

