

# Sagynysh\_USK\_05

April 9, 2020

```
[3]: pwd
```

```
/home/jupyter-tsagynysh
```

```
[4]: ls
```

```
Promise           Sagynysh_USK_04.ipynb  Untitled1.ipynb  Untitled.ipynb
Sagynysh           Sagynysh_USK_05.ipynb  Untitled2.ipynb
Sagynysh_USK_03.ipynb  shared                Untitled3.ipynb
```

```
[5]: ls -l
```

```
total 96
drwxr-xr-x 2 jupyter-tsagynysh jupyter-tsagynysh 4096 Apr  8 23:44 Promise
drwxr-xr-x 3 jupyter-tsagynysh jupyter-tsagynysh 4096 Mar 30 19:10 Sagynysh
-rw-r--r-- 1 jupyter-tsagynysh jupyter-tsagynysh 22016 Apr  1 16:06
Sagynysh_USK_03.ipynb
-rw-r--r-- 1 jupyter-tsagynysh jupyter-tsagynysh 23965 Apr  8 22:02
Sagynysh_USK_04.ipynb
-rw-r--r-- 1 jupyter-tsagynysh jupyter-tsagynysh    72 Apr  8 23:48
Sagynysh_USK_05.ipynb
lrwxrwxrwx 1 jupyter-tsagynysh jupyter-tsagynysh    16 Mar 10 11:57 shared ->
/srv/data/shared
-rw-r--r-- 1 jupyter-tsagynysh jupyter-tsagynysh 6188 Mar 25 20:02
Untitled1.ipynb
-rw-r--r-- 1 jupyter-tsagynysh jupyter-tsagynysh 11312 Apr  8 23:26
Untitled2.ipynb
-rw-r--r-- 1 jupyter-tsagynysh jupyter-tsagynysh 3758 Mar 30 19:08
Untitled3.ipynb
-rw-r--r-- 1 jupyter-tsagynysh jupyter-tsagynysh 9578 Apr  8 21:25
Untitled.ipynb
```

```
[10]: touch coffee
```

```
[11]: ls coffee
```

```
coffee
```

```
[12]: ls -l coffee
```

```
-rw-r--r-- 1 jupyter-tsagynysh jupyter-tsagynysh 0 Apr  8 23:52 coffee
```

```
[13]: chmod 213 coffee
```

```
[14]: ls -l coffee
```

```
--w---x-wx 1 jupyter-tsagynysh jupyter-tsagynysh 0 Apr  8 23:52 coffee
```

```
[15]: chmod 460 coffee
```

```
[16]: ls -l coffee
```

```
-r--rw----- 1 jupyter-tsagynysh jupyter-tsagynysh 0 Apr  8 23:52 coffee
```

```
[17]: chmod 751 coffee
```

```
[18]: ls -l coffee
```

```
-rwxr-x--x 1 jupyter-tsagynysh jupyter-tsagynysh 0 Apr  8 23:52 coffee
```

```
[19]: ls coffee
```

```
coffee
```

```
[20]: file coffee
```

```
coffee: empty
```

```
[21]: file Promise
```

```
Promise: directory
```

```
[22]: ls -l Promise
```

```
total 0
```

```
[23]: cd Promise
```

```
[24]: touch espresso
```

```
[25]: touch americano
```

```
[26]: touch latte
```

```
[27]: ls
```

```
americano  espresso  latte
```

```
[28]: cd ..
```

```
[29]: ls -l Promise
```

```
total 0
-rw-r--r-- 1 jupyter-tsagynysh jupyter-tsagynysh 0 Apr  8 23:58 americano
-rw-r--r-- 1 jupyter-tsagynysh jupyter-tsagynysh 0 Apr  8 23:58 espresso
-rw-r--r-- 1 jupyter-tsagynysh jupyter-tsagynysh 0 Apr  8 23:58 latte
```

```
[30]: ls Promise
```

```
americano  espresso  latte
```

```
[32]: chmod 333 Promise
```

```
[34]: ls -ld Promise
```

```
d-wx-wx-wx 2 jupyter-tsagynysh jupyter-tsagynysh 4096 Apr  8 23:58 Promise
```

```
[35]: chmod 570 Promise
```

```
[36]: ls -ld Promise
```

```
dr-xrwx--- 2 jupyter-tsagynysh jupyter-tsagynysh 4096 Apr  8 23:58 Promise
```

```
[1]: ls /
```

```
bin      etc          lib          mkdir  root  srv        usr
boot     home         lib64        mnt    run   swap.img  var
cdrom    initrd.img   lost+found  opt    sbin  sys       vmlinuz
dev      initrd.img.old media        proc   snap tmp       vmlinuz.old
```

```
[2]: cd
```

```
[3]: ls
```

```
coffee  Sagynysh_USK_03.ipynb  shared          Untitled3.ipynb
Promise  Sagynysh_USK_04.ipynb  Untitled1.ipynb Untitled.ipynb
Sagynysh Sagynysh_USK_05.ipynb  Untitled2.ipynb
```

```
[4]: pwd
```

```
/home/jupyter-tsagynysh
```

```
[5]: cd /home
```

```
[6]: pwd
```

```
/home
```

```
[7]: ls
```

```
azat          jupyter-cubefiction  jupyter-official-nanakai
jupyter-admin  jupyter-danenok     jupyter-orissim
jupyter-aiana178 jupyter-darganius   jupyter-tsagynysh
jupyter-aigerimunisat jupyter-ekdana     jupyter-unisat
jupyter-aizadait jupyter-inkar601    jupyter-unisatkz
jupyter-amayakof jupyter-kkenzh      jupyter-yeldana
jupyter-amirkhan jupyter-nazymungarova jupyter-zhandos
jupyter-arrayka jupyter-nuray.serkali jupyter-zhanelbaltabay
jupyter-aruzhan149 jupyter-nurike      jupyter-zhannaspaces
jupyter-aselleon jupyter-nurlaura
jupyter-azat   jupyter-nurlaura2
```

```
[8]: cd jupyter-tsagynysh
```

```
[10]: ls
```

```
coffee  Sagynysh_USK_03.ipynb  shared      Untitled3.ipynb
Promise  Sagynysh_USK_04.ipynb  Untitled1.ipynb  Untitled.ipynb
Sagynysh Sagynysh_USK_05.ipynb  Untitled2.ipynb
```

```
[11]: cd ..
```

```
[1]: whoami
```

```
jupyter-tsagynysh
```

```
[2]: touch b.txt
```

```
[3]: ls b.txt
```

```
b.txt
```

```
[10]: head b.txt
```

```
When you were here before
Couldn't look you in the eye
You're just like an angel
Your skin makes me cry
You float like a feather
In a beautiful world
I wish I was special
You're so very special
But I'm a creep
I'm a weirdo
```

```
[11]: head -4 b.txt
```

When you were here before  
Couldn't look you in the eye  
You're just like an angel  
Your skin makes me cry

```
[17]: head -17 b.txt
```

When you were here before  
Couldn't look you in the eye  
You're just like an angel  
Your skin makes me cry  
You float like a feather  
In a beautiful world  
I wish I was special  
You're so very special  
But I'm a creep  
I'm a weirdo  
What the hell am I doing here?  
I don't belong here  
She's running out the door  
She's running out  
She run, run, run, run  
Run  
Creep

```
[18]: tail b.txt
```

You're so very special  
But I'm a creep  
I'm a weirdo  
What the hell am I doing here?  
I don't belong here  
She's running out the door  
She's running out  
She run, run, run, run  
Run  
Creep

```
[19]: tail -3 b.txt
```

She run, run, run, run  
Run  
Creep

```
[20]: cat b.txt
```

When you were here before  
Couldn't look you in the eye

You're just like an angel  
Your skin makes me cry  
You float like a feather  
In a beautiful world  
I wish I was special  
You're so very special  
But I'm a creep  
I'm a weirdo  
What the hell am I doing here?  
I don't belong here  
She's running out the door  
She's running out  
She run, run, run, run  
Run  
Creep

[21]: `tac b.txt`

Creep  
Run  
She run, run, run, run  
She's running out  
She's running out the door  
I don't belong here  
What the hell am I doing here?  
I'm a weirdo  
But I'm a creep  
You're so very special  
I wish I was special  
In a beautiful world  
You float like a feather  
Your skin makes me cry  
You're just like an angel  
Couldn't look you in the eye  
When you were here before

[23]: `sort b.txt`

But I'm a creep  
Couldn't look you in the eye  
Creep  
I don't belong here  
I'm a weirdo  
In a beautiful world  
I wish I was special  
Run  
She run, run, run, run  
She's running out

```
She's running out the door
What the hell am I doing here?
When you were here before
You float like a feather
You're just like an angel
You're so very special
Your skin makes me cry
```

```
[24]: nl b.txt
```

```
1  When you were here before
2  Couldn't look you in the eye
3  You're just like an angel
4  Your skin makes me cry
5  You float like a feather
6  In a beautiful world
7  I wish I was special
8  You're so very special
9  But I'm a creep
10 I'm a weirdo
11 What the hell am I doing here?
12 I don't belong here
13 She's running out the door
14 She's running out
15 She run, run, run, run
16 Run
17 Creep
```

```
[26]: man nl
```

NL(1)	User Commands	NL(1)
NAME		
nl - number lines of files		
SYNOPSIS		
nl [OPTION]... [FILE]...		
DESCRIPTION		
Write each FILE to standard output, with line numbers added.		
With no FILE, or when FILE is -, read standard input.		
Mandatory arguments to long options are mandatory for short options too.		
-b, --body-numbering=STYLE		
use STYLE for numbering body lines		

-d, --section-delimiter=CC  
     use CC for logical page delimiters

-f, --footer-numbering=STYLE  
     use STYLE for numbering footer lines

-h, --header-numbering=STYLE  
     use STYLE for numbering header lines

-i, --line-increment=NUMBER  
     line number increment at each line

-l, --join-blank-lines=NUMBER  
     group of NUMBER empty lines counted as one

-n, --number-format=FORMAT  
     insert line numbers according to FORMAT

-p, --no-renumber  
     do not reset line numbers for each section

-s, --number-separator=STRING  
     add STRING after (possible) line number

-v, --starting-line-number=NUMBER  
     first line number for each section

-w, --number-width=NUMBER  
     use NUMBER columns for line numbers

--help display this help and exit

--version  
     output version information and exit

By default, selects -v1 -i1 -l1 -sTAB -w6 -nrn -hn -bt -fn. CC are two delimiter characters used to construct logical page delimiters, a missing second character implies :. Type \\ for \. STYLE is one of:

a	number all lines
t	number only nonempty lines
n	number no lines
pBRE	number only lines that contain a match for the basic regular expression, BRE



FORMAT is one of:

ln      left justified, no leading zeros  
rn      right justified, no leading zeros  
rz      right justified, leading zeros

#### AUTHOR

Written by Scott Bartram and David MacKenzie.

#### REPORTING BUGS

GNU coreutils online help: <<http://www.gnu.org/software/coreutils/>>  
Report nl translation bugs to <<http://translationproject.org/team/>>

#### COPYRIGHT

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GPL version 3 or later <<http://gnu.org/licenses/gpl.html>>.  
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#### SEE ALSO

Full documentation at: <<http://www.gnu.org/software/coreutils/nl>>  
or available locally via: info '(coreutils) nl invocation'

GNU coreutils 8.28

January 2018

NL(1)

[27]: `nl -s '. ' b.txt`

```
1. When you were here before
2. Couldn't look you in the eye
3. You're just like an angel
4. Your skin makes me cry
5. You float like a feather
6. In a beautiful world
7. I wish I was special
8. You're so very special
9. But I'm a creep
10. I'm a weirdo
11. What the hell am I doing here?
12. I don't belong here
13. She's running out the door
14. She's running out
15. She run, run, run, run
16. Run
17. Creep
```

```
[33]: nl -s '. ' b.txt
```

```
1. When you were here before
2. Couldn't look you in the eye
3. You're just like an angel
4. Your skin makes me cry
5. You float like a feather
6. In a beautiful world
7. I wish I was special
8. You're so very special
9. But I'm a creep
10. I'm a weirdo
11. What the hell am I doing here?
12. I don't belong here
13. She's running out the door
14. She's running out
15. She run, run, run, run
16. Run
17. Creep
```

```
[34]: wc b.txt
```

```
17  72 352 b.txt
```

```
[35]: man wc
```

WC(1)	User Commands	WC(1)
NAME		
wc - print newline, word, and byte counts for each file		
SYNOPSIS		
wc [OPTION]... [FILE]...		
wc [OPTION]... --files0-from=F		
DESCRIPTION		
Print newline, word, and byte counts for each FILE, and a total line if more than one FILE is specified. A word is a non-zero-length sequence of characters delimited by white space.		
With no FILE, or when FILE is -, read standard input.		
The options below may be used to select which counts are printed, always in the following order: newline, word, character, byte, maximum line length.		
-c, --bytes		
print the byte counts		

```

-m, --chars
    print the character counts

-l, --lines
    print the newline counts

--files0-from=F
    read input from the files specified by NUL-terminated names in
    file F; If F is - then read names from standard input

-L, --max-line-length
    print the maximum display width

-w, --words
    print the word counts

--help display this help and exit

--version
    output version information and exit

```

#### AUTHOR

Written by Paul Rubin and David MacKenzie.

#### REPORTING BUGS

GNU coreutils online help: <<http://www.gnu.org/software/coreutils/>>  
 Report wc translation bugs to <<http://translationproject.org/team/>>

#### COPYRIGHT

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 GPL version 3 or later <<http://gnu.org/licenses/gpl.html>>.  
 This is free software: you are free to change and redistribute it.  
 There is NO WARRANTY, to the extent permitted by law.

#### SEE ALSO

Full documentation at: <<http://www.gnu.org/software/coreutils/wc>>  
 or available locally via: info '(coreutils) wc invocation'

GNU coreutils 8.28

January 2018

WC(1)

```
[36]: wc -c b.txt
```

352 b.txt

```
[37]: wc -w b.txt
```

72 b.txt

```
[38]: wc -m b.txt
```

```
352 b.txt
```

```
[39]: wc -l b.txt
```

```
17 b.txt
```

```
[40]: wc -L b.txt
```

```
30 b.txt
```

```
[44]: cut -f 1 -d ' ' b.txt
```

```
When  
Couldn't  
You're  
Your  
You  
In  
I  
You're  
But  
I'm  
What  
I  
She's  
She's  
She  
Run  
Creep
```

```
[48]: cut -f 1,2 -d ' ' b.txt
```

```
When you  
Couldn't look  
You're just  
Your skin  
You float  
In a  
I wish  
You're so  
But I'm  
I'm a  
What the  
I don't  
She's running  
She's running
```

She run,  
Run  
Creep

```
[49]: uniq b.txt # delete duplicates of the string
```

When you were here before  
Couldn't look you in the eye  
You're just like an angel  
Your skin makes me cry  
You float like a feather  
In a beautiful world  
I wish I was special  
You're so very special  
But I'm a creep  
I'm a weirdo  
What the hell am I doing here?  
I don't belong here  
She's running out the door  
She's running out  
She run, run, run, run  
Run  
Creep