

Homework_6

April 10, 2020

```
[1]: pwd
```

```
/home/jupyter-zhannaspace/Homework6
```

```
[2]: egrep '[aeiou]' forbes6.txt #show all word containing vowels
```

```
1. Xi Jinping China 66
2. Vladimir Putin Russia 67
3. Donald Trump United States 73
4. Angela Merkel Germany 65
5. Jeff Bezos Amazon.com 56
6. Pope Francis Roman Catholic Church 83
7. Bill Gates Bill & Melinda Gates Foundation 64
8. Mohammed bin Salman Al Saud Saudi Arabia 34
9. Narendra Modi India 69
10. Larry Page Alphabet 47
11. Jerome H. Powell United States 67
```

```
[3]: egrep 'United States' forbes6.txt #show lines
```

```
3. Donald Trump United States 73
11. Jerome H. Powell United States 67
```

```
[6]: egrep -n 'United States' forbes6.txt #number the lines
```

```
3:3. Donald Trump United States 73
11:11. Jerome H. Powell United States 67
```

```
[7]: egrep -c 'United States' forbes6.txt #calculate number of lines
```

```
2
```

```
[8]: egrep '[aeiou]{2,}' forbes6.txt #containing 2 or more vowels
```

```
2. Vladimir Putin Russia 67
7. Bill Gates Bill & Melinda Gates Foundation 64
8. Mohammed bin Salman Al Saud Saudi Arabia 34
9. Narendra Modi India 69
```

```
[9]: egrep '2' forbes6.txt #contain 2
```

2. Vladimir Putin Russia 67

```
[10]: egrep '11' forbes6.txt #contain 11
```

11. Jerome H. Powell United States 67

```
[12]: egrep '6.' forbes6.txt #contains 6
```

1. Xi Jinping China 66
2. Vladimir Putin Russia 67
4. Angela Merkel Germany 65
6. Pope Francis Roman Catholic Church 83
7. Bill Gates Bill & Melinda Gates Foundation 64
9. Narendra Modi India 69
11. Jerome H. Powell United States 67

```
[21]: egrep '.6' forbes6.txt #contains 6
```

1. Xi Jinping China 66
2. Vladimir Putin Russia 67
4. Angela Merkel Germany 65
5. Jeff Bezos Amazon.com 56
7. Bill Gates Bill & Melinda Gates Foundation 64
9. Narendra Modi India 69
11. Jerome H. Powell United States 67

```
[28]: egrep '+.4' forbes6.txt #contains 4 at the end
```

7. Bill Gates Bill & Melinda Gates Foundation 64
8. Mohammed bin Salman Al Saud Saudi Arabia 34
10. Larry Page Alphabet 47

```
[32]: egrep '^4' forbes6.txt #contains 4 at the beginning
```

4. Angela Merkel Germany 65

```
[33]: egrep '^A' forbes6.txt
```

```
[34]: cat forbes6.txt > forbes1.txt
```

```
[40]: cat forbes1.txt
```

Xi Jinping China 66
Vladimir Putin Russia 67
Donald Trump United States 73

Angela Merkel Germany 65
Jeff Bezos Amazon.com 56
Pope Francis Roman Catholic Church 83
Dill Gates Bill & Melinda Gates Foundation 64
Mohammed bin Salman Al Saud Saudi Arabia 34
Narendra Modi India 69
Larry Page Alphabet 47
Jerome H. Powell United States 67

```
[41]: egrep '^X' forbes1.txt #Starts with X (first character, no lag)
```

Xi Jinping China 66

```
[42]: egrep '^V' forbes1.txt
```

```
[43]: egrep '^D' forbes1.txt
```

Donald Trump United States 73

```
[44]: egrep '^D+' forbes1.txt
```

Donald Trump United States 73

```
[1]: egrep 'do|ill|ir' forbes1.txt
```

Vladimir Putin Russia 67
Dill Gates Bill & Melinda Gates Foundation 64

```
[2]: egrep 'Do|ill|ir' forbes1.txt
```

Vladimir Putin Russia 67
Donald Trump United States 73
Dill Gates Bill & Melinda Gates Foundation 64

```
[3]: egrep '[A-K]' forbes1.txt
```

Xi Jinping China 66
Donald Trump United States 73
Angela Merkel Germany 65
Jeff Bezos Amazon.com 56
Pope Francis Roman Catholic Church 83
Dill Gates Bill & Melinda Gates Foundation 64
Mohammed bin Salman Al Saud Saudi Arabia 34
Narendra Modi India 69
Larry Page Alphabet 47
Jerome H. Powell United States 67

```
[4]: egrep '^[A-K]' forbes1.txt
```

```
Donald Trump United States 73
```

```
[5]: egrep '^[K-Z]' forbes1.txt
```

```
Xi Jinping China 66
```

```
[6]: ls
```

```
forbes1.txt  forbes6.txt  Homework_6.ipynb  Untitled1.ipynb  Untitled.ipynb
```

```
[7]: ls > list.txt
```

```
[8]: cat list.txt
```

```
forbes1.txt  
forbes6.txt  
Homework_6.ipynb  
list.txt  
Untitled1.ipynb  
Untitled.ipynb
```

```
[9]: file list.txt
```

```
list.txt: ASCII text
```

```
[10]: file list.txt >>list.txt
```

```
[11]: cat list.txt
```

```
forbes1.txt  
forbes6.txt  
Homework_6.ipynb  
list.txt  
Untitled1.ipynb  
Untitled.ipynb  
list.txt: ASCII text
```

```
[12]: echo 'this text should be the last line in the textfile' >>list.txt
```

```
[13]: cat list.txt
```

```
forbes1.txt  
forbes6.txt  
Homework_6.ipynb  
list.txt  
Untitled1.ipynb
```

```
Untitled.ipynb
list.txt: ASCII text
this text should be the last line in the textfile
```

```
[14]: tac list.txt
```

```
this text should be the last line in the textfile
list.txt: ASCII text
Untitled.ipynb
Untitled1.ipynb
list.txt
Homework_6.ipynb
forbes6.txt
forbes1.txt
```

```
[15]: touch 1.jpg >> list.txt
```

```
[17]: file 1.jpg >> list.txt
```

```
[18]: tac list.txt
```

```
1.jpg: empty
this text should be the last line in the textfile
list.txt: ASCII text
Untitled.ipynb
Untitled1.ipynb
list.txt
Homework_6.ipynb
forbes6.txt
forbes1.txt
```

```
[19]: wc list.txt
```

```
9 21 165 list.txt
```

```
[20]: wc -w <list.txt>>list2.txt
```

```
[21]: cat list2.txt
```

```
21
```

```
[ ]:
```