

## **5:W35: Managing Files on Steroids with Shell**

***1) Identify the names and format of the 3 biggest files. Can you come up with a command to generate a numerically ordered list of 3 biggest files? (hint: consider using `wc` to gauge image size)***

Firstly, I placed the HW file in my workspace. To get the 3 largest files I wrote the following command "`$wc -c * | sort -n | tail -n 4 > sortedpics.txt`" the command tells the shell to find the bytes for each picture, place them in ascending order, display the bottom three (highest bytes) and place the three in a new text file called "sortedpics.txt". This is achieved by using the pipe call "|".



sortedpicsdone.txt

14713856 9237\_Overview\_W.RW2

14733312 9247\_Overview\_SW.RW2

14761472 9240\_Overview\_S.RW2

***2) Some of the image files are empty, a sign of corruption. Can you find the empty photo files (0 kb size), count them, and generate a list of their filenames to make their later replacement easier?***

To find all pictures that are empty i wrote this command "`$ find -size 0 > emptyfiles.txt`" this command finds all empty pictures and places them in a new txt file I created called emptyfiles.txt



1. ./9260\_Detail\_Drain.JPG
2. ./9260\_Detail\_Stratigraphy.JPG
3. ./9260\_Overview\_E.JPG

4. ./9260\_Overview\_S.JPG
5. ./9261\_Overview\_E.JPG
6. ./9262\_Overview\_S.JPG
7. ./9263\_Overview\_W.JPG
8. ./9264\_Overview\_W.JPG
9. ./9265\_Overview\_W.JPG
10. ./9266\_Overview\_E.JPG
11. ./9267\_Overview\_W.JPG
12. ./9268\_Overview\_E.JPG
13. ./9269\_Overview\_S.JPG
14. ./9270\_Overview\_S.JPG
15. ./9271\_Overview\_W.JPG
16. ./9272\_Overview\_SE.JPG
17. ./9272\_Overview\_with\_Dich\_E.JPG
18. ./9273\_Overview\_S.JPG
19. ./9274\_Overview\_W.JPG
20. ./9275\_Overview\_SW.JPG
21. ./9276\_Overview\_SW.JPG
22. ./9277\_Overview\_NW.JPG
23. ./9278\_Overview\_W.JPG
24. ./9279\_Overview\_SW.JPG
25. ./9280\_Overview\_SW.JPG
26. ./9281\_Overview\_W.JPG
27. ./9282\_Overview\_W.JPG
28. ./9283\_Overview\_W.JPG
29. ./9284\_Overview\_S.JPG
30. ./9285\_Overview\_W.JPG
31. ./9286\_Overview\_SW.JPG
32. ./9287\_Overview\_S.JPG
33. ./9288\_Overview\_S.JPG
34. ./9289\_Overview\_S.JPG
35. ./9290\_Overview\_S.JPG
36. ./9291\_Overview\_W.JPG
37. ./9292\_Overview\_SE.JPG
38. ./9293\_Overview\_NW.JPG
39. ./9301\_Overview\_S.JPG
40. ./9302\_overview\_N.JPG
41. ./9302\_overview\_W.JPG
42. ./9303\_overview\_W.JPG
43. ./9304\_overview\_pool.JPG
44. ./9304\_overview\_W.JPG
45. ./9305\_overview\_RT.JPG
46. ./9305\_overview\_S.JPG
47. ./9306\_overview\_S.JPG
48. ./9306\_overview\_N.JPG
49. ./9307\_overview\_S.JPG
50. ./9308\_overview\_E.JPG
51. ./9309\_overview\_W.JPG
52. ./9310\_overview\_S.JPG
53. ./9311\_overview\_RT\_W.JPG
54. ./9311\_overview\_W.JPG

- 55. ./9312\_overview\_W.JPG
- 56. ./9313\_overview\_W.JPG
- 57. ./9314\_overview\_S.JPG
- 58. ./9315\_overview\_S.JPG
- 59. ./9316\_overview\_N.JPG
- 60. ./9317\_overview\_E.JPG
- 61. ./9318\_overview\_W.JPG
- 62. ./9319\_overview\_W.JPG
- 63. ./9320\_overview\_W.JPG
- 64. ./9321\_overview\_W.JPG
- 65. ./9321\_RT(detail)\_S.JPG
- 66. ./9322\_overview1\_S.JPG
- 67. ./9322\_overview2\_S.JPG
- 68. ./9322\_RT(detail).JPG
- 69. ./9323\_overview\_S.JPG
- 70. ./9324\_overview\_W.JPG
- 71. ./9325\_overview\_S.JPG
- 72. ./9326\_overview\_W.JPG
- 73. ./9327\_overview\_E.JPG