BIOL495\_lab1\_exercises Thomas Sanchez

**2.5 Excercises I**

1. If you are currently at the home directory, write down the command to go to data directory (one with absolute path, one with relative path)
2. write down the command to go to *miRNA* folder and return back.

1. absolute path: cd ~/Documents/BIOL495/lab1\_unix\_DSB/data/

Relative path: blimko@RANGERIII MINGW64 ~/Documents/BIOL495

$ cd ./lab1\_unix\_DSB/

blimko@RANGERIII MINGW64 ~/Documents/BIOL495/lab1\_unix\_DSB

$ cd ./data

blimko@RANGERIII MINGW64 ~/Documents/BIOL495/lab1\_unix\_DSB/data

2. blimko@RANGERIII MINGW64 ~

$ cd ~/Documents/BIOL495/lab1\_unix\_DSB/data/miRNA/

blimko@RANGERIII MINGW64 ~/Documents/BIOL495/lab1\_unix\_DSB/data/miRNA

$ cd ~

blimko@RANGERIII MINGW64 ~

$ cd -

/c/Users/blimko/Documents/BIOL495/lab1\_unix\_DSB/data/miRNA

blimko@RANGERIII MINGW64 ~/Documents/BIOL495/lab1\_unix\_DSB/data/miRNA

**2.8 Exercises II**

1. command to create an empty file “createEmpty.txt” under the directory of *sandbox*.
2. list the contents in data/miRNA, and count the number of files.
3. list line counts of all the files under data/Saavedra2013

1. ls > createEmpty.txt

(Assuming you are in ~/Documents/BIOl495/lab1\_unix\_DSB/sandbox)

2. blimko@RANGERIII MINGW64 ~/Documents/BIOL495/lab1\_unix\_DSB/data/miRNA

$ ls

ggo\_miR.fasta miRNA\_about.txt ppa\_miR.fasta ptr\_miR.fasta

hsa\_miR.fasta miR\_about.txt ppy\_miR.fasta ssy\_miR.fasta

blimko@RANGERIII MINGW64 ~/Documents/BIOl495/lab1\_unix\_DSB/data/miRNA

$ ls | wc -l

8

3. blimko@RANGERIII MINGW64 ~/Documents/BIOL495/lab1\_unix\_DSB/data/Saavedra2013

$ wc -l \*.txt

97 n1.txt

14 n10.txt

270 n11.txt

7 n12.txt

61 n13.txt

35 n14.txt

38 n15.txt

118 n16.txt

76 n17.txt

13 n18.txt

10 n19.txt

62 n2.txt

18 n20.txt

19 n21.txt

19 n22.txt

179 n23.txt

80 n24.txt

17 n25.txt

82 n26.txt

27 n27.txt

90 n28.txt

61 n29.txt

25 n3.txt

8 n30.txt

28 n31.txt

45 n32.txt

70 n33.txt

79 n34.txt

14 n35.txt

40 n36.txt

44 n37.txt

51 n38.txt

33 n39.txt

101 n4.txt

28 n40.txt

12 n41.txt

42 n42.txt

55 n43.txt

56 n44.txt

36 n45.txt

58 n46.txt

139 n47.txt

118 n48.txt

47 n49.txt

21 n5.txt

45 n50.txt

8 n51.txt

33 n52.txt

34 n53.txt

126 n54.txt

14 n55.txt

110 n56.txt

14 n57.txt

678 n58.txt

663 n59.txt

9 n6.txt

16 n7.txt

19 n8.txt

12 n9.txt

4324 total

$ wc -l n[23][0-9].txt

(provides linecount for n20.txt to n39.txt