

Bash Tools for NLP

Assignment 1 – Bash Tools

20 points (2.5 bonus)

This assignment will serve as more of a basic survey of knowledge and later serve as an information sheet for you to reference later. You shouldn't need a Unix OS installed to complete any of the following questions (barring Q4), if you're unable to complete Q4 with screenshots, please write out the solution instead. The following assignment will be going over application of these items.

Question 1: (1 point)

- A) What *nix OS do you have installed? If you have successfully installed one.
- B) Was this class the first or one of the only times you have used this OS?
- C) Do you have any questions/concerns with what you are using? (optional)

Question 2: (3 points)

Choose two of the following and explain what they do and why they are different from each other: (less than 3 sentences)

- .bashrc
- .bash_profile
- .bash_aliases
- .bash_history

References: [Video](#), [StackOverflow](#)

Question 3: (3 points)

Choose two of the following and explain what they do and why they are different from each other: (less than 3 sentences)

- stdout
- stdin
- stderr
- stderr

References: [Video](#), [StackOverflow](#)

Question 4: (3 points)

Provide a screenshot for the following:

- echo \$((2+3))
- echo "2+3" | bc
- echo "2 3 + p" | dc

References: [Link](#)

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Question 5:

(5 points)

Give a one sentence description for the following bash commands:

- man - info - type - which - stat

If you're unsure of what makes them unique, please mark it as such so we can provide further explanation.

Question 6:

(5 points)

Take the last five unique digits in your matriculation number (if there are not four unique ones then count up from 0) and give a description of what it does and in what situation it can be used (in two sentences).

(if for some reason you are concerned about identity theft, please scramble the order of your matriculation number XD)

E.g. 7024832 (use 2483 0), 70244444 (use 4 0123)

List 1	#	List 2	#
Cat	1	Head	6
Find	2	Wc	7
Cut	3	Tail	8
Less	4	Touch	9
Set	5	Grep/Egrep	0

Bonus:

(2.5 points)

Take the remaining five options from Question 6 and repeat Question 6.