

DevOps Assignment 01

Number of Questions: 5

Guidelines: Avoid writing long answers in essay format. Write short paragraphs. Mention key points. Consider bulleted list or tabular format wherever applicable.

Submission Date& Time: 31st Aug '23 4.00 pm

DevOps Assignment 01 - Questions 1 to 4

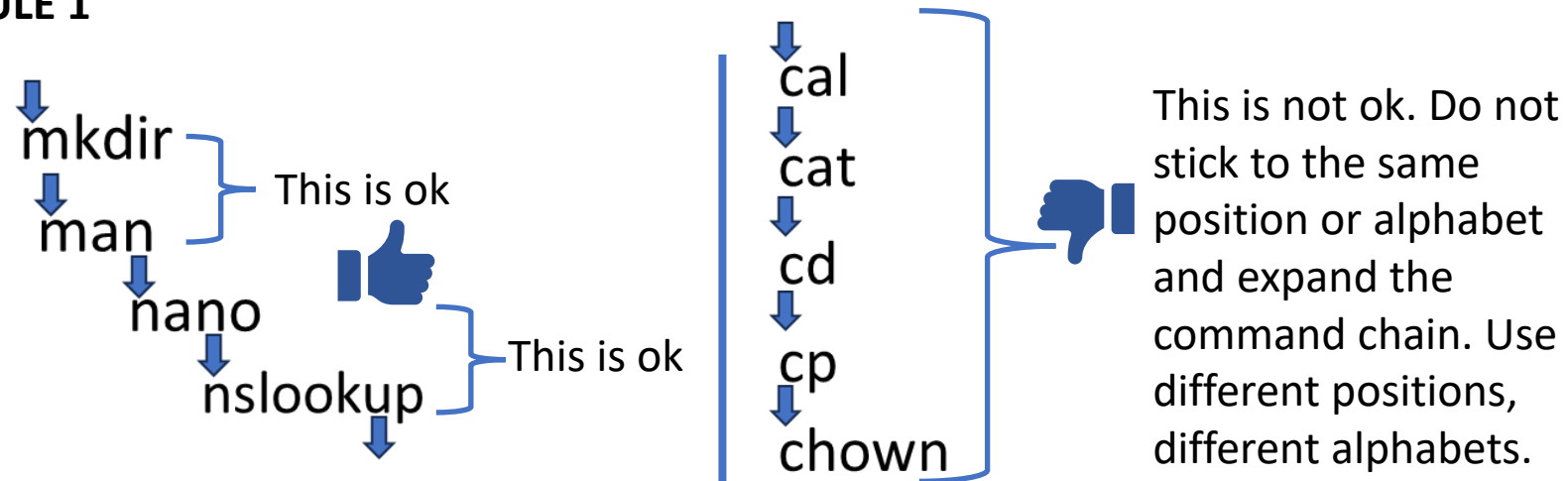
ANSWER THE FOLLOWING FOUR QUESTIONS (~500+ Words)

1. How is Linux different from other operating systems such as Windows, iOS and Unix? Explain.
2. Describe Linux architecture with a diagram. What are the components of Linux architecture? Describe the features of Linux operating system.
3. What is a package? What is package management? What are RPM and Yum? Write a commentary on RPM and Yum with examples. List the differences between RPM and Yum.
4. Read raymondch01_philosophy.pdf (see class room folder) and write a bulleted list of things you learned from this pdf file (at least five items – it is sufficient to provide a short para or 2-4 sentences per point).

DevOps Assignment 01 - Question 5

5. Form a command chain of Linux commands (at least 40 commands) as discussed in our class room. Learn and include commands such as `cmp`, `split`, `cut`, `comm`, and `diff`. If you are not able to form a single long chain, form two or three chains. Total number of commands has to be atleast 40.

RULE 1



RULE 2

Use a command only once in your answer. (`ls -l` and `ls -a` are not considered as different commands. Include interesting command options in commentary.

RULE 3 Group Activity (Optional): Create the command chain in groups of 2 to 4 students.

RULE 4 Write a commentary with 5 points per command. This is not a group activity. (See slides 4 &5)

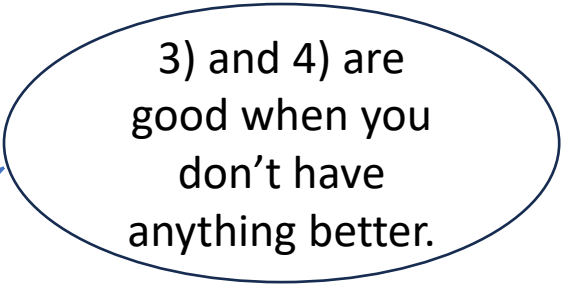
Sample Commentary 1

Command: alias

- 1) 'alias' (without argument) lists the existing aliases
- 2) 'alias -p' prints the aliases
- 3) 'alias cls='clear' enables an alias 'cls' for clear command
- 4) 'unalias cls' is used to remove the alias cls
- 5) I used this command on Linux CLI and learned how it works.

Sample Commentary 2

Command: whoami

- 1) /usr/bin/whoami is the location of this command (*'which whoami' gives this info*)
 - 2) Prints the username
 - 3) 'whoami --help' provides quick help
 - 4) 'whoami --version' gives the version of this command
 - 5) I used this command on Linux CLI and learned how it works.
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Thank You