

G3.1.3 Key Script Utilities and Variables

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Seat 99 (Grade level 13)

Cyber Capstone

0. What does sed stand for?

A. Simple Editor

B. Stream Editor

C. Script Editor

D. Standard Editor

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1. Which command is designed for efficiently processing and transforming text streams on a line-by-line basis?

A. awk

B. sed

C. grep

D. xargs

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2. What is the primary function of the find command?

A. Transforming text streams

B. Searching for patterns within text files

C. Extracting specific sections from each line

D. Searching files and directories in a directory hierarchy

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3. What does the xargs command do?

A. Searches for patterns within text files

B. Converts input from a pipe or file into arguments for a specified command

C. Counts lines, words, and characters in a file or input stream

D. Displays the first few lines of a file

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4. Which tool is useful for searching patterns within text files and supports regular expressions?

- A. wc
- B. cut
- C. grep
- D. tr

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5. What does the tee command do?

- A. Translates or deletes characters in a stream of data
- B. Counts lines, words, and characters in a file or input stream
- C. Reads from standard input and writes to both standard output and files simultaneously
- D. Displays the last few lines of a file

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6. Which utility provides essential statistics about the content of a file, including lines, words, and characters?

- A. head
- B. tail
- C. wc
- D. cut

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7. What is the primary purpose of the cut command?

- A. Extracting specific sections from each line of a file
- B. Translating or deleting characters in a stream of data
- C. Displaying the last few lines of a file
- D. Providing a quick preview of the beginning of a file

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8. Which command is used for character-level transformations, such as converting lowercase to uppercase or replacing characters?

- A. head
- B. tail
- C. tr
- D. find

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9. What does the head command do?

- A. Translates or deletes characters in a stream of data
- B. Displays the last few lines of a file
- C. Counts lines, words, and characters in a file or input stream
- D. Displays the first few lines of a file

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10. What does the \$PATH environment variable specify?

- A. The location of a file or directory in relation to the current working directory
- B. The complete path from the root directory to a file or directory
- C. A colon-separated list of directories where the system looks for executable programs
- D. The exit status of the last executed command

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