1.How to jump to a particular line in a file using vim editor?

A:- If we are in the vim editor, then simply do this, “**Press the ENTER key, write the Line number, and press Shift+ g**”: Again the output is the same.

2.How do you sort the entries in a text file in ascending order?

A:- Sort a File Numerically

To sort a file containing numeric data, **use the -n flag with the command**. By default, sort will arrange the data in ascending order. If you want to sort in descending order, reverse the arrangement using the -r option along with the -n flag in the command.

3.What is the export command used for?

A:- Export is a built-in command of the Bash shell. It is used **to mark variables and functions to be passed to child processes**. Basically, a variable will be included in child process environments without affecting other environments

4.How do you check if a particular service is running?

A:- How do you check if a particular service is running or not?

**Check running services on Linux**

1. Check the service status. A service can have any of the following statuses: ...
2. Start the service. If a service isn't running, you can use the service command to start it. ...
3. Use netstat to find port conflicts. ...
4. Check xinetd status. ...
5. Check logs. ...
6. Next steps.

5.How do you check the status of all the services?

A:- To display the status of all available services at once in the System V (SysV) init system, **run the service command with the --status-all option**: If you have multiple services, use file display commands (like less or more) for page-wise viewing. The following command will show the below information in the output.

6.How do you start and stop a service?

A:- **Use a command prompt**

1. To start a service, type: net start ServiceName.
2. To stop a service, type: net stop ServiceName.
3. To pause a service, type: net pause ServiceName.
4. To resume a service, type: net continue ServiceName.

7.Explain the free command.

A:- free is a popular command used by system administrators on Unix/Linux platforms. It's **a powerful tool that gives insight into the memory usage in human-readable format**.

8.Explain chmod command

A:- In Unix and Unix-like operating systems, chmod is **the command and system call used to change the access permissions and the special mode flags (the setuid, setgid, and sticky flags) of file system objects (files and directories)**.

9.Explain grep command

A:- What is the grep Command? Grep is an acronym that stands for Global Regular Expression Print. Grep is **a Linux / Unix command-line tool used to search for a string of characters in a specified file**. The text search pattern is called a regular expression. When it finds a match, it prints the line with the result.

10.What is the use of nano editor?

A:- GNU nano is a simple terminal-based text editor. Though not as powerful as Emacs or Vim, it is easy to learn and use. Nano is ideal for **making small changes to existing configuration files or for writing short plain text files**. It was originally created as a free replacement for the non-free Pico editor.