

# Top 100 Basic Interview Questions for RHCSA

## Basic UNIX Interview Questions for RHCSA

1. What OS are you running
2. What is your kernel version
3. For how long your machine is running
4. How do you display hidden files in /etc directory
5. How many users are logged on to your system
6. What is user "shekhar" doing now
7. When did user rohit logged in
8. From which machine user prakash has logged in
9. what is the login shell of user roshan
10. What is the home directory of user prakash
11. How many users do not have bash shell assigned to them
12. Create an alias named i to display ip address of your machine. Make is permanent.

13. What group/s do you belong to
14. What group/s are assigned to shekhar
15. What are the last 10 commands that you have executed
16. How many times you have executed cd command recently
17. Can you read a file named /etc/fstab.
18. Can user shekhar read the same file
19. How to display the list of directories ONLY in your present working directory
20. Which command will let you know if you have the permission to modify /etc/sysctl.conf file. Who can modify it.
21. How much of RAM do you have on your machine
22. What is the size of your swap
23. How many processes are currently running (not sleeping)
24. Which process is taking the maximum CPU
25. Which process is taking the maximum memory
26. How to create a user with no password

27. When I type ifconfig command I get the error message "command not found". What is the problem and how can I solve it permanently.
28. How can you change the default permissions of a file to r--r--r when the file gets created
29. What is the current date on your system
30. How to kill a process and all of its children processes in one command
31. What is the current time on your system
32. How to find out the time required to run a specific command
33. Find out all files in /etc directory that have been modified since last 7 days
34. Find out all files in /tmp directory whose owner is shekhar
35. Find out all files older than 30 days whose extension is .log and delete them - in one command
36. How to delete blank lines from file.
37. Find all the files in /var having ownership raj.
38. Assign the /bin/sh shell to Mahesh user.

## **Basic Vi Interview Questions for RHCSA**

1. How to go to the end of the file
2. How to go to the beginning of the file
3. Find a word "tom" and replace it by "dick" in the entire file
4. How to undo any mistake
5. How to quit the file without saving and discard changes that you have made
6. How to copy 30 lines and paste at the very beginning
7. How to delete a specific word
8. How to display line numbers
9. How to un-display line numbers
10. How to quit a file without saving the changes
11. What is the purpose of .swp file in vi
12. Find a word "tom" and replace it by "dick" only for the last 100 lines

## **Basic Shell scripting Interview Questions for RHCSA**

1. Which Shells are available or installed on your system
2. Which file gets executed first when a user logs in
3. Display total number of users currently logged on. Do not display the list of users, Display the number only
4. Write a shell script to print "High Load" if more than 100 user are logged on to the system.
5. List the size of all files in /etc directory only of the size is more than 10MB
6. List the owner and the name of all files in /tmp directory and its sub-directories if the file permission is 777
7. Mention at least 2 differences between hard link and soft link
8. How many Oracle databases are currently running on the server
9. Which users have been assigned a bash as a login shell to them
10. List of users who have more that 5 sessions opened.
11. Move all files owned by user john under /home directory to /tmp. Move only those files whose size is more than 100MB

12. Configure your account in such a way that your home directory is automatically backup-ed up to /backup directory every time you logout.
13. Write a shell script to send an email to root if any filesystem is more than 80% full.
14. List out a PID, owner and the name of the process which is taking the highest amount of CPU.
15. List out a PID, owner and the name of the process which is taking the highest amount of RAM
16. How to start a job in background
17. How to bring a background job to foreground
18. How do you assign an output of a command to a variable
19. How to perform mathematical calculations in shell script using bc
20. How to debug a shell script
21. How to read a file one line at a time
22. How to read a file one word at a time
23. How do you check if a command has been successfully completed or not
24. Write a while loop to print odd numbers.
25. How to find blank lines in a specific file

26. How to automate the file transfer from one machine to another
27. What is the difference between kill -9 and kill commands
28. How to change your login shell
29. How to display line 4 till 10 from a file
30. How to change a word named "Bill" to "Bob" in a file. - vi not allowed
31. How to remove blank lines from a file.
32. Can you create a hard link across filesystems
33. What is the purpose of /dev/null file
34. If I run `ls -z > /dev/null` Will anything be displayed on the terminal.
35. How to capture stdout and stderr of a command to a same file
36. What is the difference between "`wc -l /etc/passwd`" and "`wc -l < /etc/passwd`"
37. How to find out the OS kernel you are running
38. How to find out if your hardware supports 64 bit OS or not
39. What command will delete all 0 byte files from your home directory
40. What is the size of the internal hard-disk on your system

41. How to schedule a specific command to run every 5 minutes on 1st day of every month of the first financial quarter of a year. Assume that the financial year starts on 1st of April.
42. What shell have you written your shell scripts in (bash, ksh, csh)

43. How do you send an email from a shell script

44. How do you assign an output of a unix command to a variable

45. What is the syntax for 'for loop'

46. What is the syntax for if statement

47. How do you setup a command or a shell script to run at a specific time (cron)

48. What will be the output of `echo '$a'`

49. What is output of

```
a=yogesh
```

```
b=Mahesh
```

```
echo $a_$b
```

50. how to create a file which contains current date in its name.