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# **su:**

* It allows current user to become root user.
* It will change current (local) user environment to root user environment.
* Root password is needed.

# **sudo:**

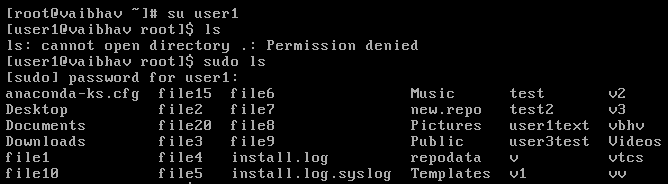
* It runs single command with root privileges.
* No need of root password but current user’s password is needed before running command as root user.

# **How to set/change root password:**

Command: sudo passwd root

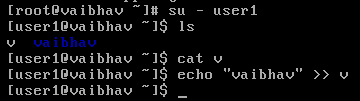
# **su: substitute user**

* It allows current user to act and run commands as root user.
* To run commands, you must run command with sudo otherwise command will not run.
* It keeps current user’s environment.
* No need of root user’s password.
* While using sudo, new user’s password must be known.



# **su - : su with hyphen**

* It allows current user to act and run commands as root user.
* No need of sudo.
* It keeps new user’s environment.
* No need of root user’s password

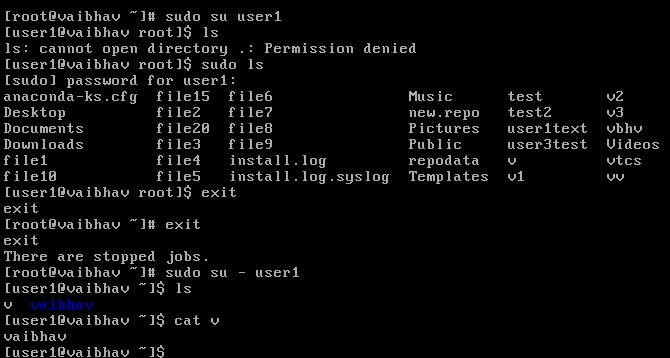
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# **sudo su:**

* It is same as su.

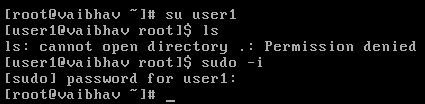
# **sudo su - : with hyphen**

* It is same as su - .

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# **sudo -i**

* -i flag allows user to get a root environment without having to know the root password.

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# **sudo -s**

* -s flag allows to read $SHELL variable of the current user executing commands.
* It will gain root but will not change user environment.
* This best when user doesn’t want to touch root at all but just wants root shell for easy command execution.