



UNIX Course Module 1

Hands-on: 2

UNIX/Linux Training

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Basic Operations on UNIX Terminal

Operation 1: Display the string or a variable use the following command.

```
$ echo 'intellipaate'
```

Operation 2: For detailed view of any UNIX command open manual pages in the terminal, use the following command.

```
$ man man
```

```
intellipaate@localhost:~  
File Edit View Search Terminal Help  
[intellipaate@localhost ~]$ man man
```

Hit Enter and manual pages appears at the terminal. To exit, use 'q' command.

```
intellipaate@localhost:~  
File Edit View Search Terminal Help  
MAN(1) Manual pager utils MAN(1)  
  
NAME  
man - an interface to the on-line reference manuals  
  
SYNOPSIS  
man [-C file] [-d] [-D] [--warnings[=warnings]] [-R encoding] [-L  
locale] [-m system[,...]] [-M path] [-S list] [-e extension] [-i|-I]  
[--regex|--wildcard] [--names-only] [-a] [-u] [--no-subpages] [-P  
pager] [-r prompt] [-7] [-E encoding] [--no-hyphenation] [--no-justifi-  
cation] [-p string] [-t] [-T[device]] [-H[browser]] [-X[dpi]] [-Z]  
[[section] page[.section] ...] ...
```

Operation 3: Clear the terminal.

```
$ clear
```

```
intellipaate@localhost:~  
File Edit View Search Terminal Help  
[intellipaate@localhost ~]$ man man  
[intellipaate@localhost ~]$ clear
```

Once you hit Enter, your terminal will be cleared as shown below.

```
intellipaathost:~  
File Edit View Search Terminal Help  
[intellipaathost ~]$
```

Operation 4: Dealing with command history. Take a look at the command line history by using the following command.

```
$ history
```

- A. Clear the complete history list in memory, but again this does not affect the history file on the disk.

```
$ history -c
```

- B. Clear the history file

```
$ history -c && history -w
```

This command overwrites the current history list in memory to the history file on disk without appending new entries.

```
intellipaathost:~  
File Edit View Search Terminal Help  
[intellipaathost ~]$ history -c  
[intellipaathost ~]$ history  
1 history  
[intellipaathost ~]$ history -c && history -w
```

Operation 5: To get the current date and time use the following command in the terminal.

```
$ date
```

```
intellipaathost:~  
File Edit View Search Terminal Help  
[intellipaathost ~]$ date  
Wed Nov 13 05:06:41 EST 2019
```

Operation 6: To find out how long the system has been running, use the following command.

```
$ uptime
```

```

intellipa@localhost:~
File Edit View Search Terminal Help
[intellipa@localhost ~]$ uptime
05:07:51 up 1:04, 1 user, load average: 0.23, 0.05, 0.02
[intellipa@localhost ~]$

```

Operation 7: Getting basic information about UNIX users in the environment.

whoami command will simply display the username.

```
$ whoami
```

id command will print user and group information.

```
$ id
```

groups command will display which group(s) the user belong to

```
$ groups
```

who command will tell who is logged into the system

```
$ who
```

w command will tell who is logged in and their current processes in the system.

```
$ w
```

```

intellipa@localhost:~
File Edit View Search Terminal Help
[intellipa@localhost ~]$ whoami
intellipa
[intellipa@localhost ~]$ id
uid=1000(intellipa) gid=1000(intellipa) groups=1000(intellipa),10(wheel) c
ontext=unconfined_u:unconfined_r:unconfined_t:s0-s0:c0.c1023
[intellipa@localhost ~]$ groups
intellipa wheel
[intellipa@localhost ~]$ who
intellipa tty2          2019-11-13 04:03 (tty2)
[intellipa@localhost ~]$ users
intellipa
[intellipa@localhost ~]$ w
05:16:54 up 1:14, 1 user, load average: 0.00, 0.01, 0.00
USER      TTY      FROM          LOGIN@      IDLE        JCPU       PCPU       WHAT
intellip  tty2     tty2          04:03       1:13m      1:34       0.00s    /usr/libexec/g
[intellipa@localhost ~]$

```