Class 4

Basic command

26. make a hidden file and directory

Mkdir   .abc

Cat >   .qq

Touch   .aa

27. see the hidden data

Ls –a   (-a = archive)

28. see the current login user

Logname   or   whoami

29. see the kernel name

Uname

30. see the computer name

Uname -n   or   hostname

31. change the hostname in temporary

Hostname dhcp

Bash   =apply the change

32. change the hostname permanent

Nmtui   = network manager terminal user interface

Bash

33. see the kernel version

Uname   -r

34. see the kernel release date

Uname -v

35. see the hardware platform

32 bit   = x86   , 64 bit = x86_64

Uname -i

36. see the OS name

Uname –o   or   cat /etc/redhat-release

37. see the CPU bit

Uname –p

38. print the all info

Uname –a

39. see the date and time

Date

40. set the date and time

Date –s "2 april   2040 2:03:45"   (-s = set)

41. open the calculator

Bc   =basic calculator

Ctrl+d = exit

42. see the calculator version

Bc –v   (v =version)

43. display the server uptime , load   (cpu+ram utilaization)

Uptime

02:26:58 up 46 min, 1 user, load average: 0.00, 0.07, 0.22

02:26:58 = time of server

 up 46 min, = power on

 1 user,   = current login user

 load average: 0.00, 0.07, 0.22   = 0.00 = last 1 min   , 0.07 = last 10 min , 0.22 =last 15 min

44. see the command file location

Which   commandname

45. see the location , manual page of command

Whereis   commandname

46. see the manual of command

Man   command name

Or   commandname   --help

47. see the all info of file and folder

Ls -l   or   ll (long listing)

drwxr-xr-x. 2 root root   6 Jan 18 2038 ritesh

d = directory , - =file , l = soft link , c – character device (process the data   ex -cpu , ram) , b =block (save the data   ex –HD , CD , DVD)

rwxr-xr-x = permission

.   = ACL

2   = subfolder (. ,   ..   = cd . = same location   , cd .. = 1 step back)

root   = owner

root   = group

 6   = size in byte

Jan 18 2038   = creation time

Ritesh   = name

48. check the size

Du -sh   name

49. see the current month, year calender

Cal

50. see the whole year calender

Cal   yearname

51. see the specific month and year cal

Cal 04 2001

52. restart the server

Init 6   or   reboot   or   shutdown -r

53. see the data slowly slowly

Cat /etc/passwd | less

54. see the data slowly slowly

Cat /etc/passwd | more

Difference between less and more command

Less = downside   , upperside

More = downside

55. catch specific word in the file

Grep   root   /etc/passwd

Or

Cat /etc/passwd | grep root

56. see the data inverse

Tac   file name

57. see the 10 line of file from upper side

Head   /etc/passwd

58. see the 10 line from bottom

Tail   /etc/passwd

59. see the 21 line from top

Head -n 21 /etc/passwd   (-n = number)

60. see the 8 line from bottom

Tail   -n 8   /etc/passwd

61. see the last line of file

Tail –f /etc/passwd

62. exit from anything

Ctrl + c   = terminate the program

Ctrl + z   = stop the program

63. see the RAM info

Free   or   free –h

	total	used	free	shared	buff/cache	available
Mem:	3.9Gi	1.1Gi	1.8Gi	28Mi	963Mi	2.5Gi
Swap:	0B	0B	0B			

64. see the proceesor info

Lscpu

65. see the haddisk and partition info

Lasblk   - list block

Basic command

Advance command