

devesh@Dev: ~



Installing, this may take a few minutes...
Please create a default UNIX user account. The username does not need to match your Windows username.
For more information visit: <https://aka.ms/wslusers>
Enter new UNIX username: devesh
New password:
Retype new password:
passwd: password updated successfully
Installation successful!
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

Welcome to Ubuntu 22.04.1 LTS (GNU/Linux 5.15.90.1-microsoft-standard-WSL2 x86_64)

- * Documentation: <https://help.ubuntu.com>
- * Management: <https://landscape.canonical.com>
- * Support: <https://ubuntu.com/advantage>

This message is shown once a day. To disable it please create the
/home/devesh/.hushlogin file.

```
devesh@Dev:~$ ls
devesh@Dev:~$ ls -a
.  ..  .bash_logout  .bashrc  .motd_shown  .profile
devesh@Dev:~$ pwd
/home/devesh
devesh@Dev:~$ cd /
devesh@Dev:/$ ls
bin  dev  home  lib  lib64  lost+found  mnt  proc  run  snap  sys  usr
boot  etc  init  lib32  libx32  media  opt  root  sbin  srv  tmp  var
devesh@Dev:/$ cd home
devesh@Dev:/home$ ls
devesh
devesh@Dev:/home$ cd devesh
devesh@Dev:~$ ls -l
total 0
devesh@Dev:~$ cd dir
```



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```
devesh@Dev: ~  
devesh@Dev:~$ ls -l  
total 0  
devesh@Dev:~$ cd dir  
-bash: cd: dir: No such file or directory  
devesh@Dev:~$ mkdir dir  
devesh@Dev:~$ pwd  
/home/devesh  
devesh@Dev:~$ mkdir cdac  
devesh@Dev:~$ pwd  
/home/devesh  
devesh@Dev:~$ cd cdac  
devesh@Dev:~/cdac$ pwd  
/home/devesh/cdac  
devesh@Dev:~/cdac$ cd ..  
devesh@Dev:~$ cd /  
devesh@Dev:/$ ls  
bin    etc    lib    libx32  mnt    root  snap  tmp  
boot   home   lib32  lost+found  opt    run   srv    usr  
dev    init   lib64  media    proc   sbin  sys    var  
devesh@Dev:/$ cd .  
devesh@Dev:/$ cd  
bin/    lib/    media/  run/    tmp/  
boot/   lib32/  mnt/    sbin/   usr/  
dev/    lib64/  opt/    snap/   var/  
etc/    libx32/ proc/    srv/      
home/   lost+found/ root/    sys/      
devesh@Dev:/$ cd  
bin/    lib/    media/  run/    tmp/  
boot/   lib32/  mnt/    sbin/   usr/  
dev/    lib64/  opt/    snap/   var/  
etc/    libx32/ proc/    srv/      
home/   lost+found/ root/    sys/      
devesh@Dev:/$ cd //wsl.localhost/Ubuntu/home/devesh  
-bash: cd: //wsl.localhost/Ubuntu/home/devesh: No such file or directory  
devesh@Dev:/$ cd devesh  
-bash: cd: devesh: No such file or directory
```

```
devesh@Dev: ~  
devesh@Dev:/$ cd //wsl.localhost/Ubuntu/home/devesh  
-bash: cd: //wsl.localhost/Ubuntu/home/devesh: No such file or directory  
devesh@Dev:/$ cd dev  
-bash: cd: dev: No such file or directory  
devesh@Dev:/$ ls  
ls: command not found  
devesh@Dev:/$ ls  
bin  etc  lib  libx32  mnt  root  snap  tmp  
boot home lib32 lost+found opt run srv usr  
dev  init lib64 media  proc sbin sys  var  
devesh@Dev:/$ cd dev  
devesh@Dev:/dev$ ls  
autofs      kvm      ram11  stderr  tty25  tty45  tty8  
block       loop-control ram12  stdin   tty26  tty46  tty9  
bsg         loop0    ram13  stdout  tty27  tty47  ttyS0  
btrfs-control loop1    ram14  tty     tty28  tty48  ttyS1  
bus         loop2    ram15  tty0    tty29  tty49  ttyS2  
console     loop3    ram2   tty1    tty3   tty5   ttyS3  
cpu_dma_latency loop4    ram3   tty10   tty30  tty50  urandom  
cuse        loop5    ram4   tty11   tty31  tty51  vcs  
dri         loop6    ram5   tty12   tty32  tty52  vcs1  
dxg         loop7    ram6   tty13   tty33  tty53  vcsa  
fd          mapper   ram7   tty14   tty34  tty54  vcsa1  
full        mem      ram8   tty15   tty35  tty55  vcsu  
fuse        net      ram9   tty16   tty36  tty56  vcsu1  
hvc0        null     random tty17   tty37  tty57  vfio  
hvc1        nvram    rtc0   tty18   tty38  tty58  vhost-net  
hvc2        ppp      sda    tty19   tty39  tty59  vport0p0  
hvc3        ptmx     sdb    tty2    tty4   tty6   vport0p1  
hvc4        ptp0     sdc    tty20   tty40  tty60  vsock  
hvc5        pts      sg0    tty21   tty41  tty61  zero  
hvc6        ram0     sg1    tty22   tty42  tty62  
hvc7        ram1     sg2    tty23   tty43  tty63  
kmsg        ram10    shm    tty24   tty44  tty7  
devesh@Dev:/dev$ cd .  
devesh@Dev:/dev$ ls
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```
devesh@Dev: ~  
devesh@Dev:/dev$ cd .  
devesh@Dev:/dev$ ls  
autofs          kvm             ram11          stderr         tty25          tty45          tty8  
block           loop-control   ram12          stdin          tty26          tty46          tty9  
bsg             loop0          ram13          stdout         tty27          tty47          ttyS0  
btrfs-control  loop1          ram14          tty            tty28          tty48          ttyS1  
bus             loop2          ram15          tty0           tty29          tty49          ttyS2  
console        loop3          ram2           tty1           tty3           tty5           ttyS3  
cpu_dma_latency loop4          ram3           tty10          tty30          tty50          urandom  
cuse           loop5          ram4           tty11          tty31          tty51          vcs  
dri            loop6          ram5           tty12          tty32          tty52          vcs1  
dxg            loop7          ram6           tty13          tty33          tty53          vcsa  
fd             mapper         ram7           tty14          tty34          tty54          vcsa1  
full           mem            ram8           tty15          tty35          tty55          vcsu  
fuse           net            ram9           tty16          tty36          tty56          vcsu1  
hvc0           null           random          tty17          tty37          tty57          vfio  
hvc1           nvram          rtc0           tty18          tty38          tty58          vhost-net  
hvc2           ppp            sda            tty19          tty39          tty59          vport0p0  
hvc3           ptmx           sdb            tty2           tty4           tty6           vport0p1  
hvc4           ptp0           sdc            tty20          tty40          tty60          vsock  
hvc5           pts            sg0            tty21          tty41          tty61          zero  
hvc6           ram0           sg1            tty22          tty42          tty62  
hvc7           ram1           sg2            tty23          tty43          tty63  
kmsg           ram10          shm            tty24          tty44          tty7  
devesh@Dev:/dev$ cd .  
devesh@Dev:/dev$ cd ..  
devesh@Dev:/ $ ls  
bin    etc    lib    libx32  mnt    root  snap  tmp  
boot  home  lib32  lost+found  opt    run   srv   usr  
dev   init  lib64  media    proc   sbin  sys   var  
devesh@Dev:/ $ cd home  
devesh@Dev:/home$ cd devesh/  
devesh@Dev:~$ ls  
cdac  dir  
devesh@Dev:~$ mkdir -p dir1 dir2 dir3 dir4
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```
devesh@Dev: ~  
devesh@Dev:~$ ls  
cdac dir  
devesh@Dev:~$ mkdir -p dir1 dir2 dir3 dir4  
devesh@Dev:~$ ls  
cdac dir dir1 dir2 dir3 dir4  
devesh@Dev:~$ rm -r dir  
devesh@Dev:~$ ls  
cdac dir1 dir2 dir3 dir4  
devesh@Dev:~$ cd dir1  
devesh@Dev:~/dir1$ touch file1.txt  
devesh@Dev:~/dir1$ ls  
file1.txt  
devesh@Dev:~/dir1$ touch -p file2.txt file3.txt  
touch: invalid option -- 'p'  
Try 'touch --help' for more information.  
devesh@Dev:~/dir1$ touch file2.txt file3.txt  
devesh@Dev:~/dir1$ ls  
file1.txt file2.txt file3.txt  
devesh@Dev:~/dir1$ vi file1.txt  
devesh@Dev:~/dir1$ ls  
file1.txt file2.txt file3.txt  
devesh@Dev:~/dir1$ vi file1.txt  
devesh@Dev:~/dir1$ cat file1.txt  
Hi my name is Devesh Sharma.  
This is my First file in Linux  
  
devesh@Dev:~/dir1$ vi file2.txt  
devesh@Dev:~/dir1$ cat file2.txt  
devesh@Dev:~/dir1$ cat file1.txt > file2.txt  
devesh@Dev:~/dir1$ vi file2.txt  
devesh@Dev:~/dir1$ vi file2.txt  
devesh@Dev:~/dir1$ cat file2.txt  
Hi my name is Devesh Sharma.  
This is my First file in Linux  
This file for practice.
```



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```
devesh@Dev: ~  
devesh@Dev:~/dir1$ cat file2.txt  
Hi my name is Devesh Sharma.  
This is my First file in Linux  
This file for practice.  
devesh@Dev:~/dir1$ vi file1.txt  
devesh@Dev:~/dir1$ pwd  
/home/devesh/dir1  
devesh@Dev:~/dir1$ whoami  
devesh  
devesh@Dev:~/dir1$ hostnamectl  
System has not been booted with systemd as init system (PID 1). Can't operate.  
Failed to connect to bus: Host is down  
devesh@Dev:~/dir1$ cal  
Command 'cal' not found, but can be installed with:  
sudo apt install ncal  
devesh@Dev:~/dir1$ sudo apt install ncal  
[sudo] password for devesh:  
Reading package lists... Done  
Building dependency tree... Done  
Reading state information... Done  
E: Unable to locate package ncal  
devesh@Dev:~/dir1$ cd ..  
devesh@Dev:~$ sudo apt install ncal  
Reading package lists... Done  
Building dependency tree... Done  
Reading state information... Done  
E: Unable to locate package ncal  
devesh@Dev:~$ date  
Wed Apr 12 23:40:10 IST 2023  
devesh@Dev:~$ touch dev1.txt dev2.txt  
devesh@Dev:~$ cp dev1.txt dir3  
devesh@Dev:~$ ld dir3  
ld: cannot find dir3: file format not recognized  
devesh@Dev:~$ ls dir  
ls: cannot access 'dir': No such file or directory
```

```
devesh@Dev: ~  
ld: cannot find dir3: file format not recognized  
devesh@Dev:~$ ls dir  
ls: cannot access 'dir': No such file or directory  
devesh@Dev:~$ ls dir3  
dev1.txt  
devesh@Dev:~$ mv dev2.txt dir2  
devesh@Dev:~$ ls dir2  
dev2.txt  
devesh@Dev:~$ vi dev2.txt  
devesh@Dev:~$ head dev2.txt  
Devesh  
Suraj  
Cdac  
Engineering  
Electrical  
Mechanical  
Civil  
It  
Cs  
EnTC  
devesh@Dev:~$ head -n 3 dev2.txt  
Devesh  
Suraj  
Cdac  
devesh@Dev:~$ tail dev2.txt  
Cdac  
Engineering  
Electrical  
Mechanical  
Civil  
It  
Cs  
EnTC  
Branch
```



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```
devesh@Dev: ~  
devesh@Dev:~$ tail -n 6 dev2.txt  
Civil  
It  
Cs  
EnTC  
Branch  
  
devesh@Dev:~$ touch dev3.txt  
devesh@Dev:~$ vi dev3.txt  
devesh@Dev:~$ vi dev3.txt  
devesh@Dev:~$ cat dev3.txt  
Virat Kohli is an Indian cricketer and former captain of the Indian national team. He is considered one of the best batsmen in the world and holds several records in cricket. He made his international debut in 2008 and has since then represented India in all three formats of the game. He has been a consistent performer for India and has been the backbone of the Indian batting line-up. In 2013, he was appointed as the vice-captain of the ODI team and became the captain of the team in 2017. Under his captaincy, India has reached several milestones including becoming the number-one team in Test cricket and reaching the final of the 2017 ICC Champions Trophy. He has also been honoured with several awards for his performances including the Sir Garfield Sobers Trophy for ICC ODI Player of the Year in 2017 and 2018. He is known for his aggressive captaincy and his never-say-die attitude on the field  
devesh@Dev:~$ grep -i ICC dev3.txt  
Virat Kohli is an Indian cricketer and former captain of the Indian national team. He is considered one of the best batsmen in the world and holds several records in cricket. He made his international debut in 2008 and has since then represented India in all three formats of the game. He has been a consistent performer for India and has been the backbone of the Indian batting line-up. In 2013, he was appointed as the vice-captain of the ODI team and became the captain of the team in 2017. Under his captaincy, India has reached several milestones including becoming the number-one team in Test cricket and reaching the final of the 2017 ICC Champions Trophy. He has also been honoured with several awards for his performances including the Sir Garfield Sobers Trophy for ICC ODI Player of the Year in 2017 and 2018. He is known for his aggressive captaincy and his never-say-die attitude on the field  
devesh@Dev:~$ du  
12      ./dir1  
4        ./cdac  
4        ./dir4  
4        ./dir3  
4        ./dir2  
64      .  
devesh@Dev:~$ top
```



devesh@Dev: ~

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devesh@Dev:~\$ du

12 ./dir1

4 ./cdac

4 ./dir4

4 ./dir3

4 ./dir2

64 .

devesh@Dev:~\$ top

top - 23:57:36 up 1:16, 0 users, load average: 0.00, 0.00, 0.00


Tasks: 6 total, 1 running, 5 sleeping, 0 stopped, 0 zombie

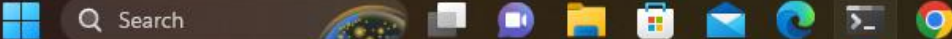
%Cpu(s): 0.0 us, 0.0 sy, 0.0 ni,100.0 id, 0.0 wa, 0.0 hi, 0.0 si, 0.0 st

MiB Mem : 1808.2 total, 1314.2 free, 286.9 used, 207.0 buff/cache




MiB Swap: 1024.0 total, 1024.0 free, 0.0 used. 1376.3 avail Mem

PID	USER	PR	NI	VIRT	RES	SHR	S	%CPU	%MEM	TIME+	COMMAND
1	root	20	0	2328	1508	1408	S	0.0	0.1	0:00.02	init(Ubuntu)
4	root	20	0	2364	68	68	S	0.0	0.0	0:00.79	init
8	root	20	0	2336	108	0	S	0.0	0.0	0:00.00	SessionLeader
9	root	20	0	2352	112	0	S	0.0	0.0	0:00.44	Relay(10)
10	devesh	20	0	6212	5364	3568	S	0.0	0.3	0:00.98	bash
187	devesh	20	0	7800	3600	3008	R	0.0	0.2	0:00.10	top






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```
devesh@Dev: ~  
  
devesh@Dev:~$  
devesh@Dev:~$ ls  
cdac dev1.txt dev2.txt dev3.txt dir1 dir2 dir3 dir4  
devesh@Dev:~$ ls -l  
total 28  
drwxr-xr-x 2 devesh devesh 4096 Apr 12 23:00 cdac  
-rw-r--r-- 1 devesh devesh   0 Apr 12 23:41 dev1.txt  
-rw-r--r-- 1 devesh devesh  77 Apr 12 23:48 dev2.txt  
-rw-r--r-- 1 devesh devesh  906 Apr 12 23:53 dev3.txt  
drwxr-xr-x 2 devesh devesh 4096 Apr 12 23:38 dir1  
drwxr-xr-x 2 devesh devesh 4096 Apr 12 23:45 dir2  
drwxr-xr-x 2 devesh devesh 4096 Apr 12 23:43 dir3  
drwxr-xr-x 2 devesh devesh 4096 Apr 12 23:26 dir4  
devesh@Dev:~$ ls -a  
. .bash_logout .config .profile .viminfo dev1.txt dev3.txt dir2 dir4  
.. .bashrc .motd_shown .sudo_as_admin_successful cdac dev2.txt dir1 dir3  
devesh@Dev:~$ cd ..
```



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