

```
File Edit Selection View Go Run Terminal Help
Visual Studio Code

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL COMMENTS

varun@DESKTOP-9EIE2GC:/mnt/c/Users/Varun/Desktop/LinuxDemo$ netstat -plnt | grep 8080
(No info could be read for "-p": geteuid()=1000 but you should be root.)
varun@DESKTOP-9EIE2GC:/mnt/c/Users/Varun/Desktop/LinuxDemo$ rmap 142.250.182.206
Command 'rmap' not found, but can be installed with:
sudo apt install rmap
varun@DESKTOP-9EIE2GC:/mnt/c/Users/Varun/Desktop/LinuxDemo$ sudo apt install rmap
[sudo] password for varun:
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
E: Unable to locate package rmap
varun@DESKTOP-9EIE2GC:/mnt/c/Users/Varun/Desktop/LinuxDemo$ netcat
192.168.56.120 8080
usage: nc [-46CddfhklmnrtuUvzZ] [-I length] [-i interval] [-M ttl]
        [-m minttl] [-O length] [-P proxy_username] [-p source_port]
        [-q seconds] [-s sourceaddr] [-T keyword] [-V rtable] [-W recvlimit]
        [-w timeout] [-X proxy_protocol] [-x proxy_address[:port]]
        [destination] [port]
192.168.56.120: command not found
varun@DESKTOP-9EIE2GC:/mnt/c/Users/Varun/Desktop/LinuxDemo$ netcat 192.168.56.120 8080
^C
varun@DESKTOP-9EIE2GC:/mnt/c/Users/Varun/Desktop/LinuxDemo$ netcat 192.168.56.120 8080
^C
varun@DESKTOP-9EIE2GC:/mnt/c/Users/Varun/Desktop/LinuxDemo$ netcat 192.168.56.120 8080
EOF^C
varun@DESKTOP-9EIE2GC:/mnt/c/Users/Varun/Desktop/LinuxDemo$ lsof -i TCP: 9090
lsof: unacceptable port specification in: -i TCP:
lsof 4.93.2
latest revision: https://github.com/lsof-org/lsof
latest FAQ: https://github.com/lsof-org/lsof/blob/master/00FAQ
latest (non-formatted) man page: https://github.com/lsof-org/lsof/blob/master/lsof.8
usage: [-7abhklnooPRTUVWX] [+|-c c] [+|-d s] [+D D] [+|-E] [+|-e s] [+|-f[g]]
        [-F [f]] [-g [s]] [-i [i]] [+|-L [L]] [+m [m]] [+|-M] [-o [o]] [-p s]
        [+|-r [t]] [-s [p:s]] [-S [t]] [-T [t]] [-u s] [+|-w] [-x [f]] [-:] [names]
Use the '-h' option to get more help information.
varun@DESKTOP-9EIE2GC:/mnt/c/Users/Varun/Desktop/LinuxDemo$ curl ipconfig.co
varun@DESKTOP-9EIE2GC:/mnt/c/Users/Varun/Desktop/LinuxDemo$ sudo ostring
sudo: ostring: command not found
varun@DESKTOP-9EIE2GC:/mnt/c/Users/Varun/Desktop/LinuxDemo$ sudo hostname
DESKTOP-9EIE2GC
varun@DESKTOP-9EIE2GC:/mnt/c/Users/Varun/Desktop/LinuxDemo$ route -n
Kernel IP routing table
Destination Gateway Genmask Flags Metric Ref Use Iface
0.0.0.0 172.17.192.1 0.0.0.0 UG 0 0 0 eth0
172.17.192.0 0.0.0.0 255.255.240.0 U 0 0 0 eth0
```

```
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PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL COMMENTS
UdpLite:
TcpExt:
  4 TCP sockets finished time wait in fast timer
  190 packet headers predicted
  5 acknowledgments not containing data payload received
  TCPRcvCoalesce: 13
  TCPFOQueue: 8
  TCPOrgDataSent: 9
  TCPDelivered: 13
IpExt:
  InBcastPkts: 7
  InOctets: 695912
  OutOctets: 14141
  InBcastOctets: 1603
  InNoECTPkts: 716
Sctp:
  0 Current Associations
  0 Active Associations
  0 Passive Associations
  0 Number of Aborted
  0 Number of Graceful Terminations
  0 Number of Out of Blue packets
  0 Number of Packets with invalid Checksum
  0 Number of control chunks sent
  0 Number of ordered chunks sent
  0 Number of unordered chunks sent
  0 Number of control chunks received
  0 Number of ordered chunks received
  0 Number of unordered chunks received
  0 Number of messages fragmented
  0 Number of messages reassembled
  0 Number of SCTP packets sent
  0 Number of SCTP packets received
varun@DESKTOP-9ETE2GC:/mnt/c/Users/Varun/Desktop/LinuxDemo$ netstat -plnt | port 8080
(no info could be read for "-p": geteuid()=1000 but you should be root.)
Command 'port' not found, did you mean:
  command 'psort' from deb psortb (3.0.6+dfsg-2build2)
  command 'poet' from deb libpoet-perl (0.16-1.1)
  command 'fort' from deb fort-validator (1.5.3-1build1)
  command 'porg' from deb porg (2:0.10-1.2)
  command 'prt' from deb prt (0.22-1)
  command 'popt' from deb vienna-rna (2.4.17+dfsg-2build2)
  command 'sort' from deb coreutils (8.32-4.1ubuntu1)
Try: sudo apt install <deb name>
varun@DESKTOP-9ETE2GC:/mnt/c/Users/Varun/Desktop/LinuxDemo$ netstat -plnt | grep 8080
```

powershell
WSL

```
File Edit Selection View Go Run Terminal Help Visual Studio Code
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL COMMENTS
tolower($0)}'
SAMPLE TEXT
varun@DESKTOP-9EIE2GC:/mnt/c/Users/Varun/Desktop/LinuxDemo$ fqdn
fqdn: command not found
varun@DESKTOP-9EIE2GC:/mnt/c/Users/Varun/Desktop/LinuxDemo$ nslookup google.com
Server:
172.17.192.1
Address:
172.17.192.1#53

Non-authoritative answer:
Name: google.com
Address: 142.250.182.206
Name: google.com
Address: 2404:6800:4009:82c::200e

varun@DESKTOP-9EIE2GC:/mnt/c/Users/Varun/Desktop/LinuxDemo$ nslookup 142.250.182.206
206.182.250.142.in-addr.arpa name = bom07s28-in-f14.1e100.net.

Authoritative answers can be found from:

varun@DESKTOP-9EIE2GC:/mnt/c/Users/Varun/Desktop/LinuxDemo$ netstat -plnt
(No info could be read for "-p": geteuid()=1000 but you should be root.)
Active Internet connections (only servers)
Proto Recv-Q Send-Q Local Address Foreign Address State PID/Program name
varun@DESKTOP-9EIE2GC:/mnt/c/Users/Varun/Desktop/LinuxDemo$ netstat -i
Kernel Interface table
Iface MTU RX-OK RX-ERR RX-DRP RX-OVR TX-OK TX-ERR TX-DRP TX-OVR Flg
eth0 1500 722 0 0 0 272 0 0 0 0 BMRU
lo 65536 2 0 0 0 2 0 0 0 0 LRU
varun@DESKTOP-9EIE2GC:/mnt/c/Users/Varun/Desktop/LinuxDemo$ netstat -s
Ip:
Forwarding: 2
599 total packets received
0 forwarded
0 incoming packets discarded
250 incoming packets delivered
251 requests sent out
Icmp:
0 ICMP messages received
0 input ICMP message failed
ICMP input histogram:
0 ICMP messages sent
0 ICMP messages failed
ICMP output histogram:
Tcp:
8 active connection openings
```

```
File Edit Selection View Go Run Terminal Help Visual Studio Code

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL COMMENTS

CPU family: 6
Model: 158
Thread(s) per core: 2
Core(s) per socket: 4
Socket(s): 1
Stepping: 10
BogoMIPS: 4608.01
Flags: fpu vme de pse tsc msr pae mce cx8 apic sep mtrr pge mca cmov pat pse36 clflush mmx fxsr sse sse2 ss ht syscall nx pdpe1gb rdtscp lm constant tsc rep_good nopl
xtopology cpuid pni pclmulqdq vmx ssse3 fma cx16 pcid sse4_1 sse4_2 movbe popcnt aes xsave avx f16c rdrand hypervisor lahf_lm abm 3dnowprefetch invpcid_single
pti ssbd ibrs ibpb stibp tpr_shadow vnmi ept vpid ept_ad fsgsbase bmi1 avx2 smep bmi2 erms invpcid rdseed adx smap clflushopt xsaveopt xsavec xgetbv1 xsaves f
lush_lid arch_capabilities

Virtualization features:
Virtualization: VT-x
Hypervisor vendor: Microsoft
Virtualization type: full
Caches (sum of all):
L1d: 128 KiB (4 instances)
L1i: 128 KiB (4 instances)
L2: 1 MiB (4 instances)
L3: 8 MiB (1 instance)

Vulnerabilities:
Itlb multihit: KVM: Mitigation: VMX disabled
L1tf: Mitigation; PTE Inversion; VMX conditional cache flushes, SMT vulnerable
Mds: Vulnerable; Clear CPU buffers attempted, no microcode; SMT Host state unknown
Meltdown: Mitigation; PTI
Spec store bypass: Mitigation; Speculative Store Bypass disabled via prctl and seccomp
Spectre v1: Mitigation; usercopy/swapgs barriers and __user pointer sanitization
Spectre v2: Mitigation; Full generic retpoline, IBPB conditional, IBRS_FW, STIBP conditional, RSB filling
Srbds: Unknown; Dependent on hypervisor status
Tsx async abort: Not affected

varun@DESKTOP-9E1E2GC:/mnt/c/Users/Varun/Desktop/LinuxDemo$ df -kh
Filesystem      Size  Used Avail Use% Mounted on
/dev/sdb        251G  1.1G  238G   1% /
none            3.9G  4.0K  3.9G   1% /mnt/wsl
tools           477G  72G  405G  16% /init
none            3.9G  4.0K  3.9G   1% /run
none            3.9G   0  3.9G   0% /run/lock
none            3.9G   0  3.9G   0% /run/shm
none            3.9G   0  3.9G   0% /run/user
tmpfs           3.9G   0  3.9G   0% /sys/fs/cgroup
drivers         477G  72G  405G  16% /usr/lib/wsl/drivers
lib             477G  72G  405G  16% /usr/lib/wsl/lib
drvfs           477G  72G  405G  16% /mnt/c
drvfs           932G  94G  838G  11% /mnt/f

varun@DESKTOP-9E1E2GC:/mnt/c/Users/Varun/Desktop/LinuxDemo$ echo "SAMPLE TEXT" | awk '{print
```

FileEditSelectionViewGoRunTerminalHelp

Visual Studio Code

PROBLEMSOUTPUTDEBUG CONSOLETERMINALCOMMENTS

totalusedfreesharedbuff/cacheavailable

Mem:7.7Gi93Mi7.5Gi0.0Ki149Mi7.4Gi

Swap:2.0Gi082.0Gi

varun@DESKTOP-9EIE2GC:/mnt/c/Users/Varun/Desktop/LinuxDemo\$ vmstat -S m

procs-----memory-----swap-----io-----system-----cpu-----

r b swpd free buff cache si so bi bo in cs us sy id wa st

0 0 0 8004 10 146 0 0 3 179 1 4 0 0 100 0 0

varun@DESKTOP-9EIE2GC:/mnt/c/Users/Varun/Desktop/LinuxDemo\$ lscpu

Architecture: x86_64

CPU op-mode(s): 32-bit, 64-bit

Address sizes: 39 bits physical, 48 bits virtual

Byte Order: Little Endian

CPU(s): 8

On-line CPU(s) list: 0-7

Vendor ID: GenuineIntel

Model name: Intel(R) Core(TM) i5-8300H CPU @ 2.30GHz

CPU family: 6

Model: 158

Thread(s) per core: 2

Core(s) per socket: 4

Socket(s): 1

Stepping: 10

BogoMIPS: 4600.01

Flags: fpu vme de pse tsc msr pae mce cx8 apic sep mtrr pge mca cmov pat pse36 clflush mmx fxsr sse sse2 ss ht syscall nx pdpe1gh rdtscp lm constant_tsc rep_good nopl xtopology cpuid pni pclmulqdq vmx ssse3 fma cx16 pcid sse4_1 sse4_2 movbe popcnt aes xsave avx f16c rdrand hypervisor lahf_lm abm 3dnowprefetch invpcid_single pti ssbd ibrs ibpb stibp tpr_shadow vmmi ept vpid ept_ad fsgsbase bmi1 avx2 smep bmi2 erms invpcid rdseed adx smap clflushopt xsaveopt xsaves xgetbv1 xsaves f lush_lid arch_capabilities

Virtualization features:

Virtualization: VT-x

Hypervisor vendor: Microsoft

Virtualization type: full

Caches (sum of all):

L1d: 128 KiB (4 instances)

L1i: 128 KiB (4 instances)

L2: 1 MiB (4 instances)

L3: 8 MiB (1 instance)

Vulnerabilities:

Itlb multihit: KVM: Mitigation: VMX disabled

L1tf: Mitigation; PTE Inversion; VMX conditional cache flushes, SMT vulnerable

Mds: Vulnerable; Clear CPU buffers attempted, no microcode; SMT Host state unknown

Meltdown: Mitigation; PTI

Spec store bypass: Mitigation; Speculative Store Bypass disabled via prctl and seccomp

Spectre v1: Mitigation; usercopy/swapgs barriers and __user pointer sanitization

Spectre v2: Mitigation; Full generic retpoline, IBPB conditional, IBRS_FW, STIBP conditional, RSB filling

Srbds: Unknown: Dependent on hypervisor status

powershell

WSL

tabnine starter

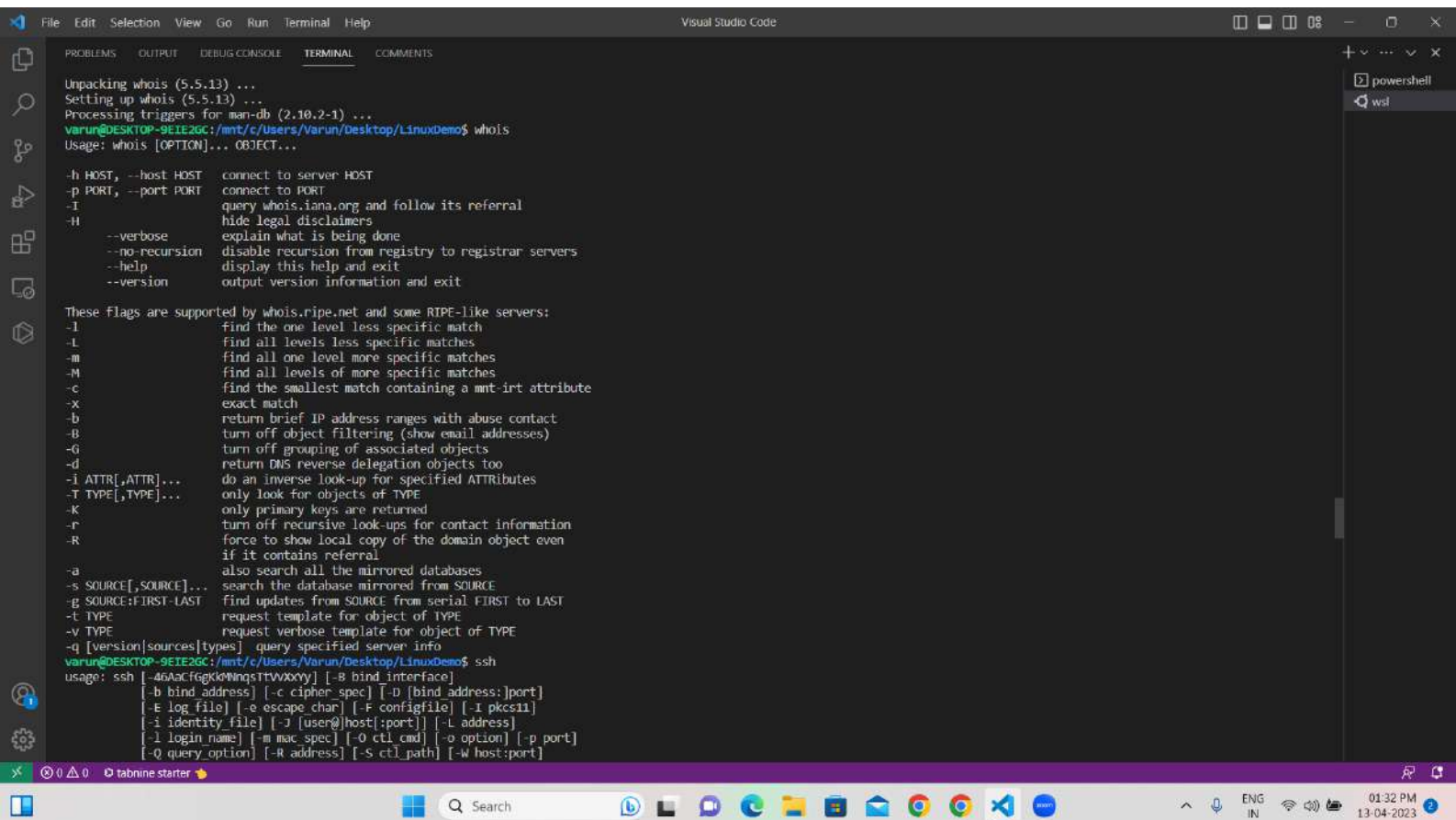
Search

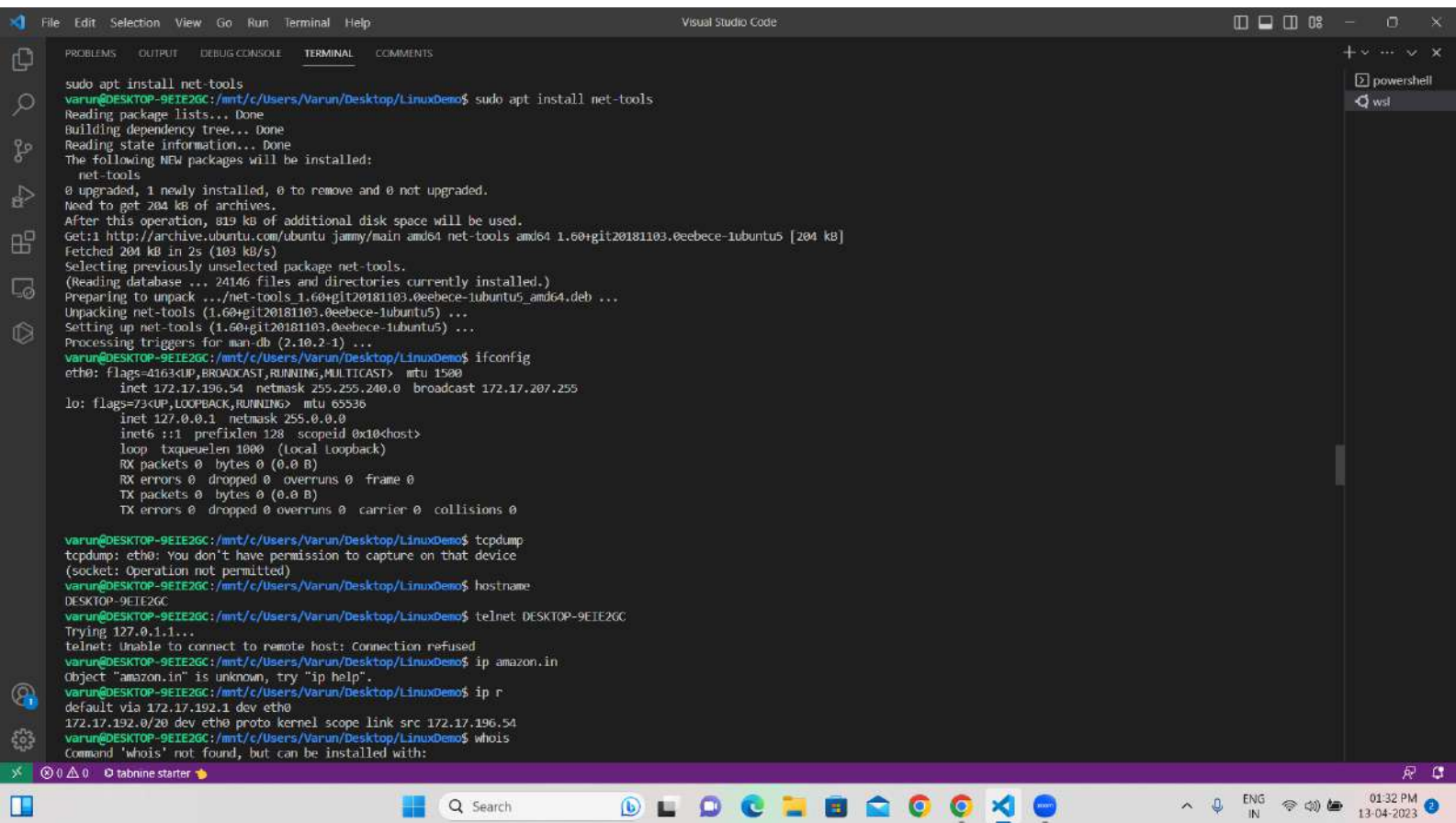
01:32 PM

13-04-2023


```
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PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL COMMENTS
[-l login_name] [-m mac_spec] [-o ctl_cmd] [-o option] [-p port]
[-Q query_option] [-R address] [-S ctl_path] [-w host:port]
[-w local_tun[:remote_tun]] destination [command [argument ...]]
varun@DESKTOP-9EIE2GC:/mnt/c/Users/Varun/Desktop/LinuxDemo$ du -sh
0
varun@DESKTOP-9EIE2GC:/mnt/c/Users/Varun/Desktop/LinuxDemo$ du
0
varun@DESKTOP-9EIE2GC:/mnt/c/Users/Varun/Desktop/LinuxDemo$ du -h
0
varun@DESKTOP-9EIE2GC:/mnt/c/Users/Varun/Desktop/LinuxDemo$ df -h
Filesystem      Size  Used Avail Use% Mounted on
/dev/sdb        251G  1.1G  238G   1% /
none            3.9G  4.0K   3.9G   1% /mnt/wsl
tools           477G  72G  405G  16% /init
none            3.9G  4.0K   3.9G   1% /run
none            3.9G   0   3.9G   0% /run/lock
none            3.9G   0   3.9G   0% /run/shm
none            3.9G   0   3.9G   0% /run/user
tmpfs           3.9G   0   3.9G   0% /sys/fs/cgroup
drivers         477G  72G  405G  16% /usr/lib/wsl/drivers
lib             477G  72G  405G  16% /usr/lib/wsl/lib
drvfs           477G  72G  405G  16% /mnt/c
drvfs           932G  94G  838G  11% /mnt/f
varun@DESKTOP-9EIE2GC:/mnt/c/Users/Varun/Desktop/LinuxDemo$ df -s
Command 'df-s' not found, did you mean:
  command 'dfrs' from deb dfrs (0.0.7-2ubuntu0.1)
Try: sudo apt install <deb name>
varun@DESKTOP-9EIE2GC:/mnt/c/Users/Varun/Desktop/LinuxDemo$ dfrs
Command 'dfrs' not found, but can be installed with:
sudo apt install dfrs
varun@DESKTOP-9EIE2GC:/mnt/c/Users/Varun/Desktop/LinuxDemo$ sudo apt install dfrs
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
E: Unable to locate package dfrs
varun@DESKTOP-9EIE2GC:/mnt/c/Users/Varun/Desktop/LinuxDemo$ uname -o
GNU/Linux
varun@DESKTOP-9EIE2GC:/mnt/c/Users/Varun/Desktop/LinuxDemo$ uname -m
x86_64
varun@DESKTOP-9EIE2GC:/mnt/c/Users/Varun/Desktop/LinuxDemo$ uname -r
5.10.16.3-microsoft-standard-WSL2
varun@DESKTOP-9EIE2GC:/mnt/c/Users/Varun/Desktop/LinuxDemo$ free -h
              total        used        free      shared  buff/cache   available
Mem:          7.7Gi          93Mi        7.5Gi         0.0Ki        149Mi        7.4Gi
Swap:         2.0Gi           0B         2.0Gi
```



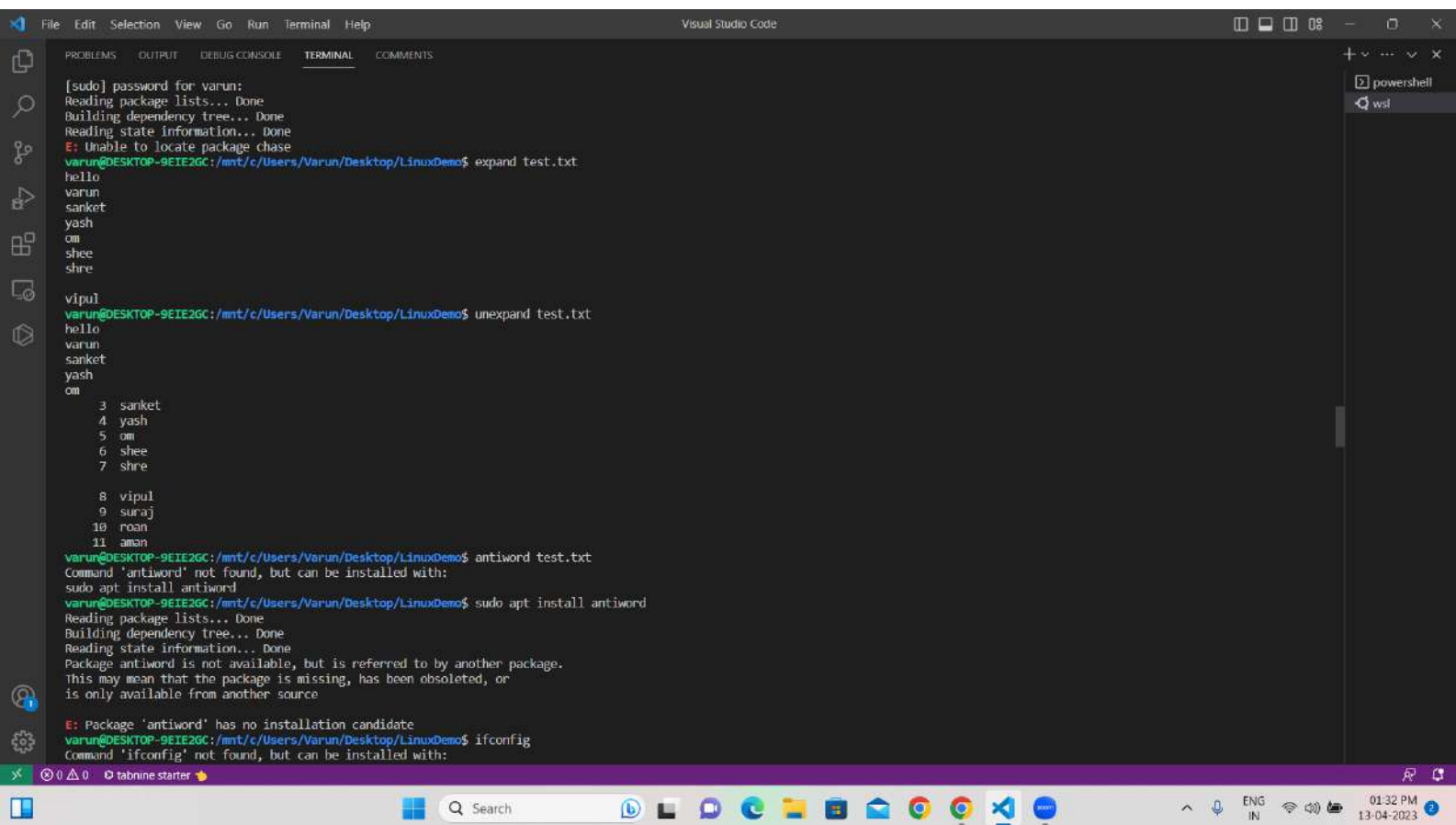


The image shows a Visual Studio Code window with a terminal open. The terminal displays the following commands and their output:

```
varun@DESKTOP-9EIE2GC:/mnt/c/Users/Varun/Desktop/LinuxDemo$ sudo apt install net-tools
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following NEW packages will be installed:
  net-tools
0 upgraded, 1 newly installed, 0 to remove and 0 not upgraded.
Need to get 204 kB of archives.
After this operation, 819 kB of additional disk space will be used.
Get:1 http://archive.ubuntu.com/ubuntu jammy/main amd64 net-tools amd64 1.60+git20181103.0eebece-1ubuntu5 [204 kB]
Fetched 204 kB in 2s (103 kB/s)
Selecting previously unselected package net-tools.
(Reading database ... 24146 files and directories currently installed.)
Preparing to unpack .../net-tools_1.60+git20181103.0eebece-1ubuntu5_amd64.deb ...
Unpacking net-tools (1.60+git20181103.0eebece-1ubuntu5) ...
Setting up net-tools (1.60+git20181103.0eebece-1ubuntu5) ...
Processing triggers for man-db (2.10.2-1) ...
varun@DESKTOP-9EIE2GC:/mnt/c/Users/Varun/Desktop/LinuxDemo$ ifconfig
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST>  mtu 1500
    inet 172.17.196.54  netmask 255.255.240.0  broadcast 172.17.207.255
lo: flags=73<UP,LOOPBACK,RUNNING>  mtu 65536
    inet 127.0.0.1  netmask 255.0.0.0
    inet6 ::1  prefixlen 128  scopeid 0x10<host>
    loop txqueuelen 1000  (local loopback)
    RX packets 0  bytes 0 (0.0 B)
    RX errors 0  dropped 0  overruns 0  frame 0
    TX packets 0  bytes 0 (0.0 B)
    TX errors 0  dropped 0  overruns 0  carrier 0  collisions 0

varun@DESKTOP-9EIE2GC:/mnt/c/Users/Varun/Desktop/LinuxDemo$ tcpdump
tcpdump: eth0: You don't have permission to capture on that device
(socket: Operation not permitted)
varun@DESKTOP-9EIE2GC:/mnt/c/Users/Varun/Desktop/LinuxDemo$ hostname
DESKTOP-9EIE2GC
varun@DESKTOP-9EIE2GC:/mnt/c/Users/Varun/Desktop/LinuxDemo$ telnet DESKTOP-9EIE2GC
Trying 127.0.1.1...
telnet: Unable to connect to remote host: Connection refused
varun@DESKTOP-9EIE2GC:/mnt/c/Users/Varun/Desktop/LinuxDemo$ ip amazon.in
Object "amazon.in" is unknown, try "ip help".
varun@DESKTOP-9EIE2GC:/mnt/c/Users/Varun/Desktop/LinuxDemo$ ip r
default via 172.17.192.1 dev eth0
172.17.192.0/20 dev eth0 proto kernel scope link src 172.17.196.54
varun@DESKTOP-9EIE2GC:/mnt/c/Users/Varun/Desktop/LinuxDemo$ whois
Command 'whois' not found, but can be installed with:
```

The bottom of the image shows the Windows taskbar with the Start button, a search bar, and several application icons including Edge, File Explorer, and VS Code. The system tray on the right shows the date and time as 01:32 PM on 13-04-2023.



The image shows a Visual Studio Code window with a terminal open. The terminal is running a Linux environment (Ubuntu 22.04 LTS) and the user is performing several tasks:

- Initial Setup:** The user runs `sudo` and enters the password for 'varun'. The system outputs the following status messages:

```
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
E: Unable to locate package chase
```
- File Operations:** The user runs `expand test.txt` and `unexpand test.txt` to demonstrate text formatting. The output of `expand` shows names with spaces padded to 8 columns. The output of `unexpand` shows the original text with line numbers.
- Package Management:** The user attempts to install the `antiword` package using `sudo apt install antiword`. The system outputs the following error messages:

```
Command 'antiword' not found, but can be installed with:
sudo apt install antiword
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
Package antiword is not available, but is referred to by another package.
This may mean that the package is missing, has been obsoleted, or
is only available from another source
E: Package 'antiword' has no installation candidate
```
- Configuration:** The user runs `ifconfig` to check network configuration. The system outputs the following error message:

```
Command 'ifconfig' not found, but can be installed with:
```

The terminal window is titled "Visual Studio Code" and the terminal output is displayed in the "TERMINAL" tab. The bottom status bar shows the time as 01:32 PM on 13-04-2023.

```
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PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL COMMENTS
sanket
yash
om
shee
shre

vipul
varun@DESKTOP-9EIE2GC:/mnt/c/Users/Varun/Desktop/LinuxDemo$ comm test.txt test1.txt
hello
varun

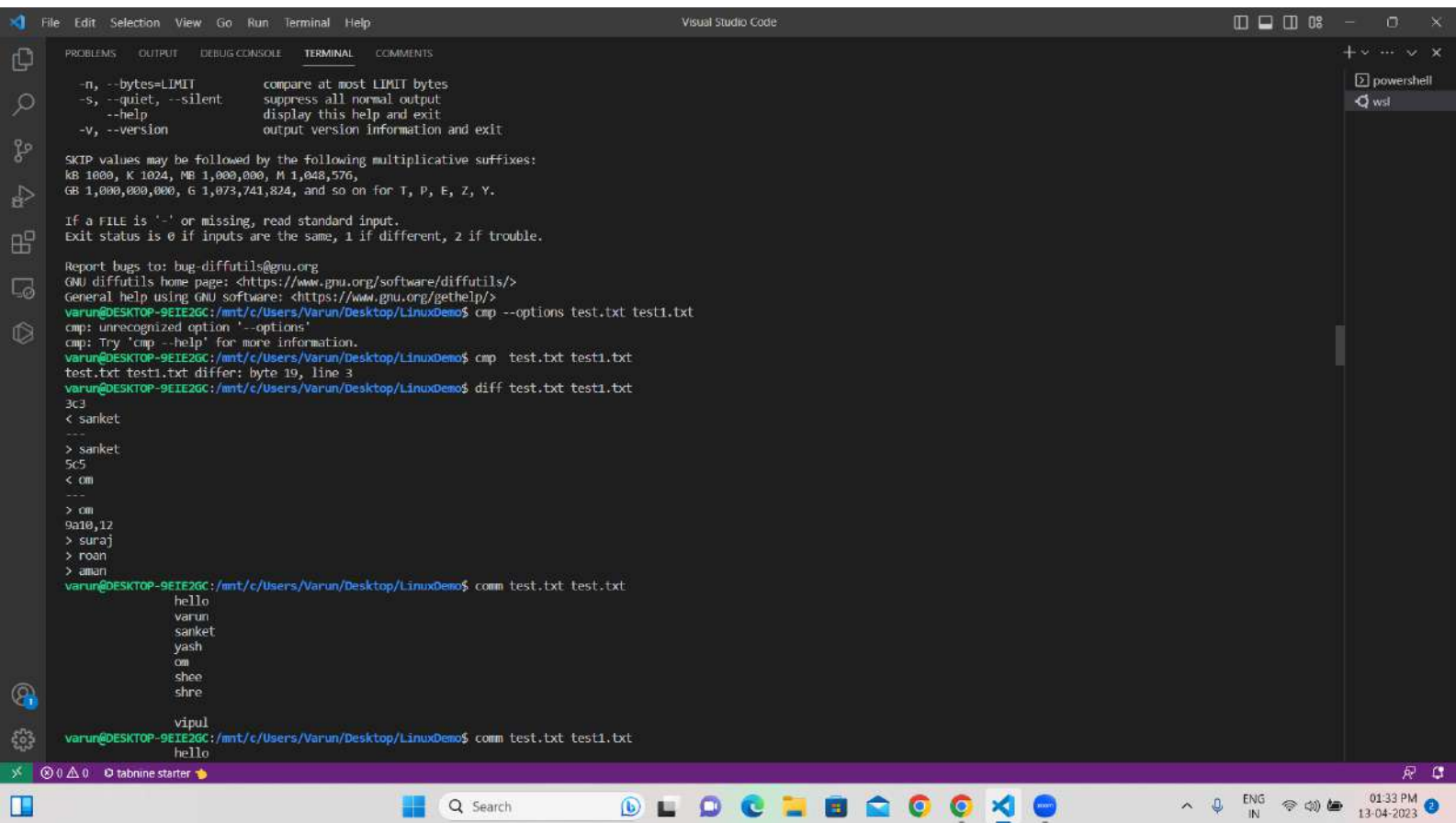
sanket
sanket
yash
comm: file 1 is not in sorted order
comm: file 2 is not in sorted order
om

om
shee
shre

vipul
sunaj
roan
aman
comm: input is not in sorted order
varun@DESKTOP-9EIE2GC:/mnt/c/Users/Varun/Desktop/LinuxDemo$ cat test.txt | sort

hello
om
sanket
shee
shre
varun
vipul
yash
varun@DESKTOP-9EIE2GC:/mnt/c/Users/Varun/Desktop/LinuxDemo$ look v
look: /usr/share/dict/words: No such file or directory
varun@DESKTOP-9EIE2GC:/mnt/c/Users/Varun/Desktop/LinuxDemo$ look v test.txt
vipul
varun@DESKTOP-9EIE2GC:/mnt/c/Users/Varun/Desktop/LinuxDemo$ fmt
varun
kailas
garade
varun kailas garade
varun@DESKTOP-9EIE2GC:/mnt/c/Users/Varun/Desktop/LinuxDemo$ cat test.txt | ckcsac '[A-Z]' '[a-z]' > test2.txt
```

powershell
wsl



Visual Studio Code interface showing a terminal window with the following content:

```
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Visual Studio Code

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL COMMENTS

-n, --bytes=LIMIT    compare at most LIMIT bytes
-s, --quiet, --silent suppress all normal output
--help              display this help and exit
-v, --version        output version information and exit

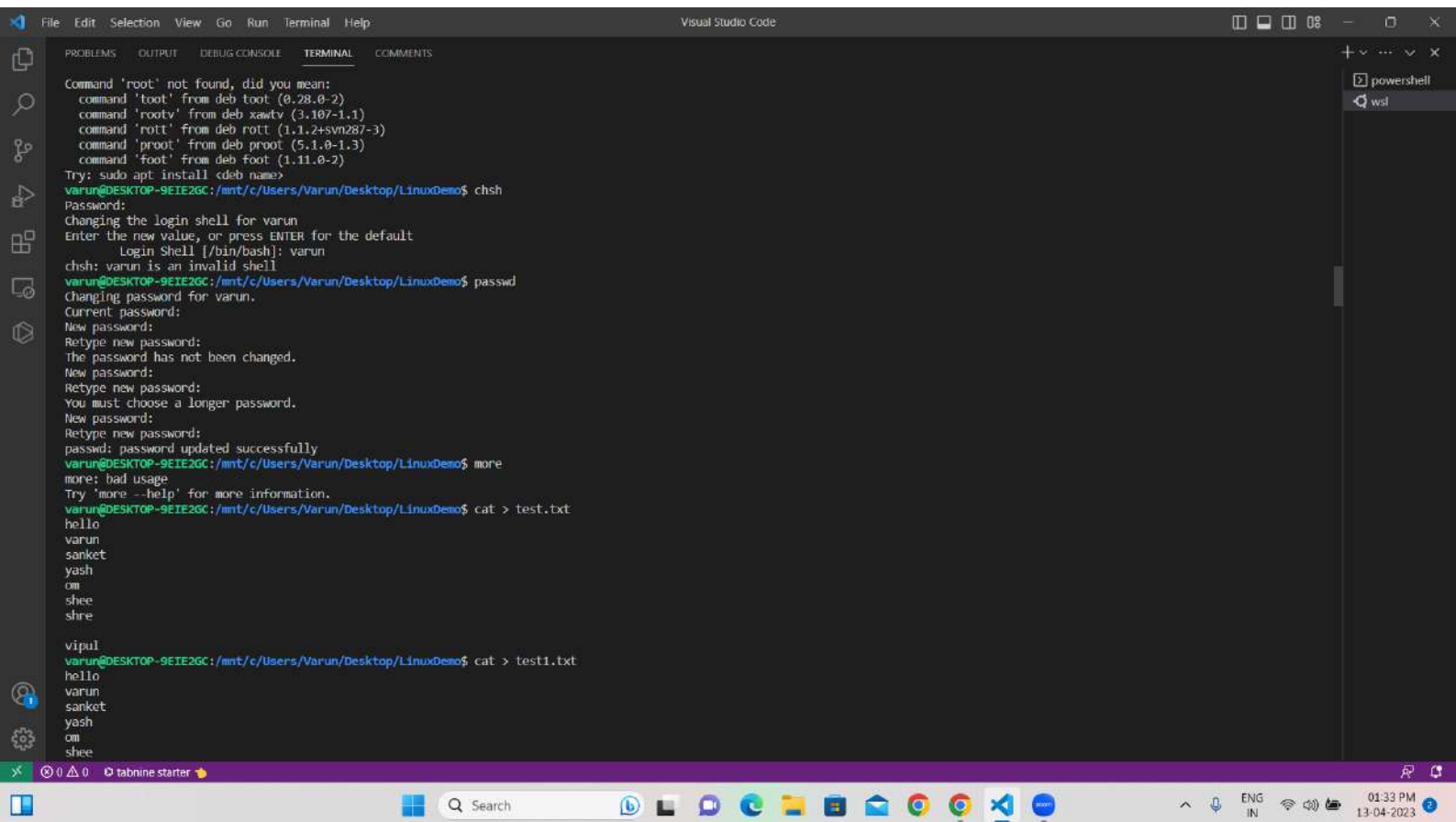
SKIP values may be followed by the following multiplicative suffixes:
kB 1000, K 1024, MB 1,000,000, M 1,048,576,
GB 1,000,000,000, G 1,073,741,824, and so on for T, P, E, Z, Y.

If a FILE is '-' or missing, read standard input.
Exit status is 0 if inputs are the same, 1 if different, 2 if trouble.

Report bugs to: bug-diffutils@gnu.org
GNU diffutils home page: <https://www.gnu.org/software/diffutils/>
General help using GNU software: <https://www.gnu.org/gethelp/>
varun@DESKTOP-9EIE2GC:/mnt/c/Users/Varun/Desktop/LinuxDemo$ cmp --options test.txt test1.txt
cmp: unrecognized option '--options'
cmp: Try 'cmp --help' for more information.
varun@DESKTOP-9EIE2GC:/mnt/c/Users/Varun/Desktop/LinuxDemo$ cmp test.txt test1.txt
test.txt test1.txt differ: byte 10, line 3
varun@DESKTOP-9EIE2GC:/mnt/c/Users/Varun/Desktop/LinuxDemo$ diff test.txt test1.txt
3c3
< sanket
---
> sanket
5c5
< om
---
> om
9a10,12
> suraj
> roan
> aman
varun@DESKTOP-9EIE2GC:/mnt/c/Users/Varun/Desktop/LinuxDemo$ comm test.txt test1.txt
hello
varun
sanket
yash
om
shee
shre

vipul
varun@DESKTOP-9EIE2GC:/mnt/c/Users/Varun/Desktop/LinuxDemo$ comm test.txt test1.txt
hello
```

Windows taskbar at the bottom shows the time as 01:33 PM on 13-04-2023, with system icons for network, volume, and language (ENG IN).



File Edit Selection View Go Run Terminal Help Visual Studio Code

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL COMMENTS

```
libfdisk1
The following NEW packages will be installed:
  fdisk libfdisk1
0 upgraded, 2 newly installed, 0 to remove and 0 not upgraded.
Need to get 263 kB of archives.
After this operation, 891 kB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://archive.ubuntu.com/ubuntu jammy/main amd64 libfdisk1 amd64 2.37.2-4ubuntu3 [141 kB]
Get:2 http://archive.ubuntu.com/ubuntu jammy/main amd64 fdisk amd64 2.37.2-4ubuntu3 [122 kB]
Fetched 263 kB in 2s (120 kB/s)
Selecting previously unselected package libfdisk1:amd64.
(Reading database ... 24129 files and directories currently installed.)
Preparing to unpack .../libfdisk1_2.37.2-4ubuntu3_amd64.deb ...
Unpacking libfdisk1:amd64 (2.37.2-4ubuntu3) ...
Selecting previously unselected package fdisk.
Preparing to unpack .../fdisk_2.37.2-4ubuntu3_amd64.deb ...
Unpacking fdisk (2.37.2-4ubuntu3) ...
Setting up libfdisk1:amd64 (2.37.2-4ubuntu3) ...
Setting up fdisk (2.37.2-4ubuntu3) ...
Processing triggers for man-db (2.10.2-1) ...
Processing triggers for libc-bin (2.35-0ubuntu3.1) ...
varun@DESKTOP-9EIE2GC:/mnt/c/Users/Varun/Desktop/LinuxDemo$ fdisk
fdisk: bad usage
Try 'fdisk --help' for more information.
varun@DESKTOP-9EIE2GC:/mnt/c/Users/Varun/Desktop/LinuxDemo$ pstree
init--init--init--bash--pstree
--2*[[init]]
varun@DESKTOP-9EIE2GC:/mnt/c/Users/Varun/Desktop/LinuxDemo$ pgrep
pgrep: no matching criteria specified
Try 'pgrep --help' for more information.
varun@DESKTOP-9EIE2GC:/mnt/c/Users/Varun/Desktop/LinuxDemo$ ps
PID TTY          TIME CMD
  9 pts/0        00:00 bash
 410 pts/0        00:00 ps
varun@DESKTOP-9EIE2GC:/mnt/c/Users/Varun/Desktop/LinuxDemo$ bg 9
-bash: bg: 9: no such job
varun@DESKTOP-9EIE2GC:/mnt/c/Users/Varun/Desktop/LinuxDemo$ bg
-bash: bg: current: no such job
varun@DESKTOP-9EIE2GC:/mnt/c/Users/Varun/Desktop/LinuxDemo$ su varun
Password:
varun@DESKTOP-9EIE2GC:/mnt/c/Users/Varun/Desktop/LinuxDemo$ root
command 'root' not found, did you mean:
  command 'toot' from deb toot (0.28.0-2)
  command 'rootv' from deb xawtv (3.107-1.1)
  command 'roiti' from deb roiti (1.1.2+svn287-3)
```

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PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL COMMENTS

```
wtmp begins Thu Apr 13 11:18:40 2023
varun@DESKTOP-9EIE2GC:/mnt/c/Users/Varun/Desktop/LinuxDemo$ lastlog
Username      Port      From      Latest
root          *Never   logged in**
daemon        *Never   logged in**
bin           *Never   logged in**
sys           *Never   logged in**
sync          *Never   logged in**
games         *Never   logged in**
man           *Never   logged in**
lp            *Never   logged in**
mail          *Never   logged in**
news          *Never   logged in**
uucp          *Never   logged in**
proxy         *Never   logged in**
www-data      *Never   logged in**
backup        *Never   logged in**
list          *Never   logged in**
irc           *Never   logged in**
gnats         *Never   logged in**
nobody        *Never   logged in**
systemd-network *Never   logged in**
systemd-resolve *Never   logged in**
messagebus    *Never   logged in**
systemd-timesync *Never   logged in**
syslog        *Never   logged in**
_uapt         *Never   logged in**
uidd          *Never   logged in**

E: Unable to locate package acpi
varun@DESKTOP-9EIE2GC:/mnt/c/Users/Varun/Desktop/LinuxDemo$ proc
command 'proc' not found, did you mean:
  command 'pro' from deb ubuntu-advantage-tools (27.12-22.04.1)
  command 'nproc' from deb coreutils (8.32-4.1ubuntu1)
  command 'phoc' from deb phoc (0.13.1-2)
  command 'proj' from deb proj-bin (8.2.1-1)
Try: sudo apt install <deb name>
varun@DESKTOP-9EIE2GC:/mnt/c/Users/Varun/Desktop/LinuxDemo$ fdisk
Command 'fdisk' not found, but can be installed with:
sudo apt install fdisk
varun@DESKTOP-9EIE2GC:/mnt/c/Users/Varun/Desktop/LinuxDemo$ sudo apt install tree
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
E: Unable to locate package tree
varun@DESKTOP-9EIE2GC:/mnt/c/Users/Varun/Desktop/LinuxDemo$ sudo apt install fdisk
```

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```
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PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL COMMENTS

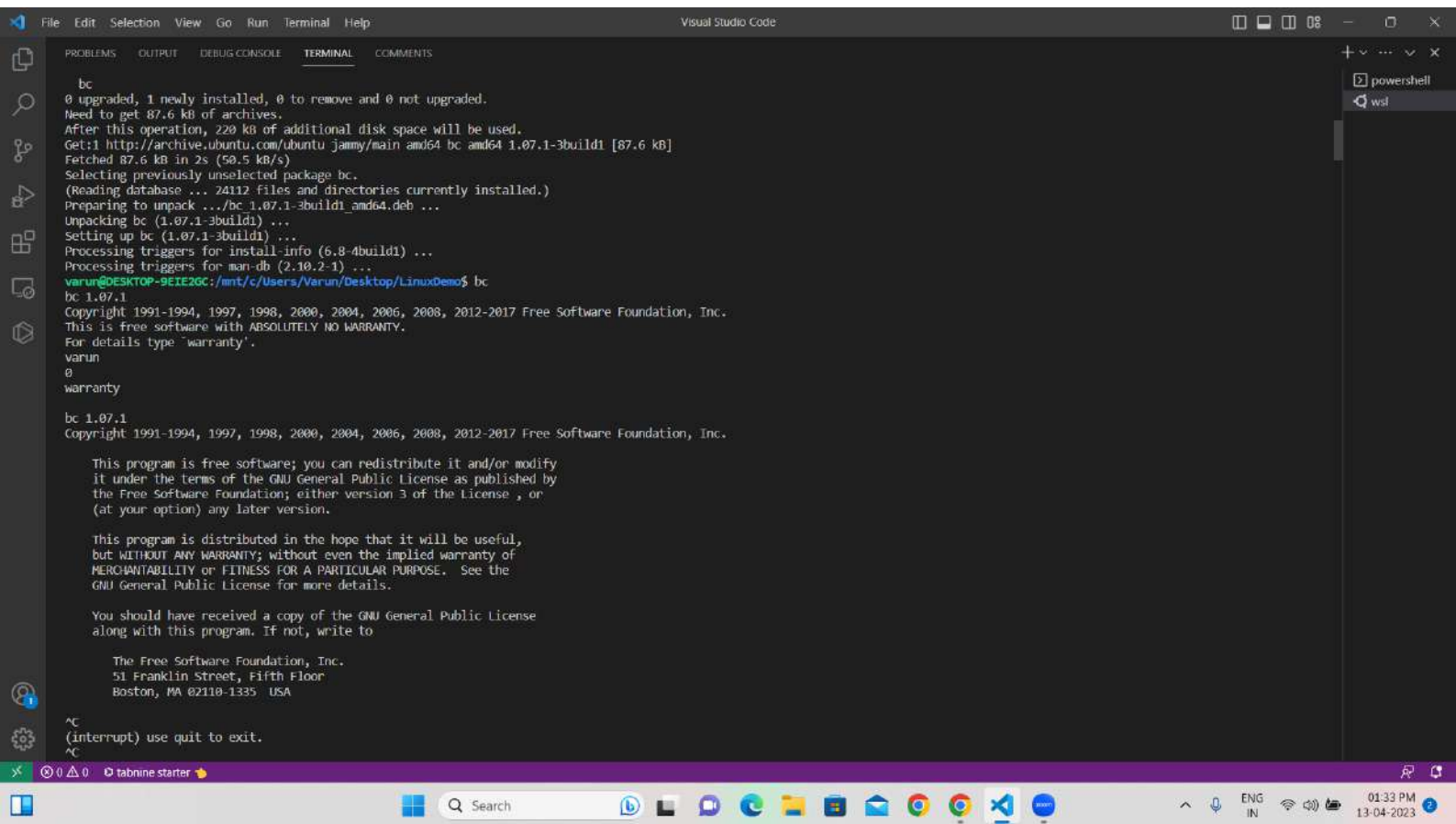
GNU General Public License for more details.

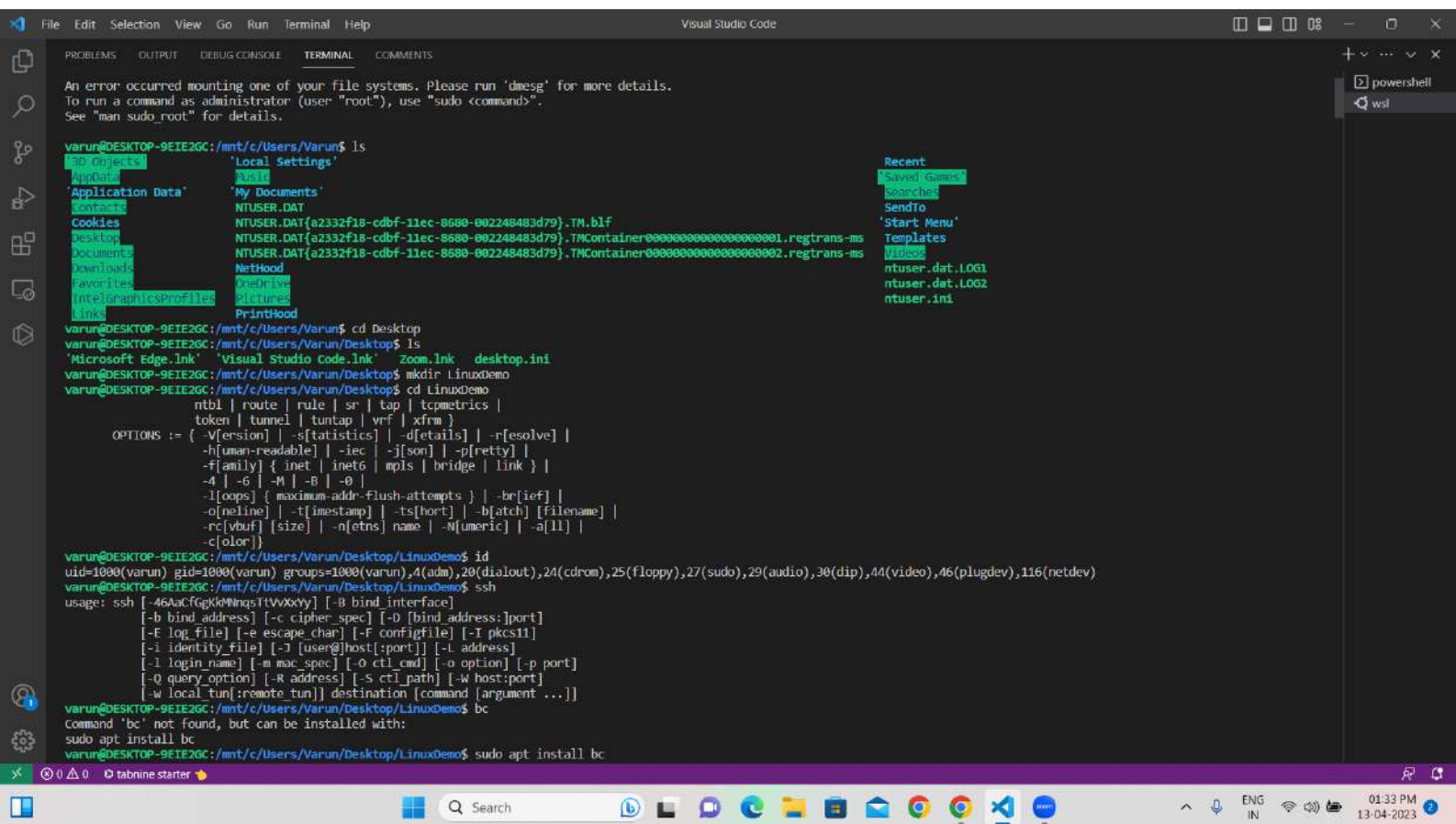
You should have received a copy of the GNU General Public License
along with this program. If not, write to

The Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor
Boston, MA 02110-1335 USA

^C
(interrupt) use quit to exit.
^C
(interrupt) use quit to exit.
quit
varun@DESKTOP-9EIE2GC:/mnt/c/Users/Varun/Desktop/LinuxDemo$ tree
Command 'tree' not found, but can be installed with:
sudo apt install tree
varun@DESKTOP-9EIE2GC:/mnt/c/Users/Varun/Desktop/LinuxDemo$ sudo apt install tree
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
E: Unable to locate package tree
varun@DESKTOP-9EIE2GC:/mnt/c/Users/Varun/Desktop/LinuxDemo$ sudo apt install tree
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
E: Unable to locate package tree
varun@DESKTOP-9EIE2GC:/mnt/c/Users/Varun/Desktop/LinuxDemo$ split -options LinuxDemo
split: invalid option -- 'o'
Try 'split --help' for more information.
varun@DESKTOP-9EIE2GC:/mnt/c/Users/Varun/Desktop/LinuxDemo$ dmsseg
Command 'dmsseg' not found, did you mean:
  command 'dmsseg' from deb util-linux (2.37.2-4ubuntu3)
  command 'mmsseg' from deb sunpinyin-utils (3.0.0-rc2+ds1-4)
Try: sudo apt install <deb name>
varun@DESKTOP-9EIE2GC:/mnt/c/Users/Varun/Desktop/LinuxDemo$ who
varun@DESKTOP-9EIE2GC:/mnt/c/Users/Varun/Desktop/LinuxDemo$ w
12:17:27 up 18 min, 0 users, load average: 0.00, 0.00, 0.00
USER      TTY      FROM          LOGIN@   IDLE   JCPU   PCPU WHAT
varun@DESKTOP-9EIE2GC:/mnt/c/Users/Varun/Desktop/LinuxDemo$ users
varun@DESKTOP-9EIE2GC:/mnt/c/Users/Varun/Desktop/LinuxDemo$ last

wtmp begins Thu Apr 13 11:18:40 2023
varun@DESKTOP-9EIE2GC:/mnt/c/Users/Varun/Desktop/LinuxDemo$ lastlog
Username      Port      From      Latest
```





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PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL COMMENTS

```
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shee
shre

varun
varun@DESKTOP-9EIE2GC:/mnt/c/Users/Varun/Desktop/LinuxDemo$ lsblk -a
NAME MAJ:MIN RM SIZE RO TYPE MOUNTPOINTS
ram0 1:0 0 64M 0 disk
ram1 1:1 0 64M 0 disk
ram2 1:2 0 64M 0 disk
ram3 1:3 0 64M 0 disk
ram4 1:4 0 64M 0 disk
ram5 1:5 0 64M 0 disk
ram6 1:6 0 64M 0 disk
ram7 1:7 0 64M 0 disk
ram8 1:8 0 64M 0 disk
ram9 1:9 0 64M 0 disk
ram10 1:10 0 64M 0 disk
ram11 1:11 0 64M 0 disk
ram12 1:12 0 64M 0 disk
ram13 1:13 0 64M 0 disk
ram14 1:14 0 64M 0 disk
ram15 1:15 0 64M 0 disk
loop0 7:0 0 0B 0 loop
loop1 7:1 0 0B 0 loop
loop2 7:2 0 0B 0 loop
loop3 7:3 0 0B 0 loop
loop4 7:4 0 0B 0 loop
loop5 7:5 0 0B 0 loop
loop6 7:6 0 0B 0 loop
loop7 7:7 0 0B 0 loop
sda 8:0 0 256G 0 disk /
sdb 8:16 0 256G 0 disk /

varun@DESKTOP-9EIE2GC:/mnt/c/Users/Varun/Desktop/LinuxDemo$ lsblk -b
NAME MAJ:MIN RM SIZE RO TYPE MOUNTPOINTS
sda 8:0 0 274877906944 0 disk
sdb 8:16 0 274877906944 0 disk /

varun@DESKTOP-9EIE2GC:/mnt/c/Users/Varun/Desktop/LinuxDemo$ awk 'NR==1,NR==6 {print NR,$0}' test.txt
1 hello
2 varun
3 sanket
4 yash
5 om
6 shee

varun@DESKTOP-9EIE2GC:/mnt/c/Users/Varun/Desktop/LinuxDemo$
```

powershell
wsl

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