

Experiment No. 6

- **Aim :** Write a bash/ C program to print Fibonacci Series
- **Program :**

```
#include <stdio.h>
#include <stdlib.h>
int main()
{
    int n,i,t1=0,t2=1, next=0;
    printf("Enter the number of terms \n");
    scanf("%d", &n);
    printf("The fibonacci series is: \n");
    for(i=1;i<=n;++i)
    {
        printf("%d \t", t1);
        next=t1+t2;
        t1=t2;
        t2=next;
    }
    return 0;
}
```

- **Output :**

```
dbms19@dbms19-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~$ sudo su
[sudo] password for dbms19:
root@dbms19-HP-Pro-Tower-280-G9-PCI-Desktop-PC:/home/dbms19# cd Desktop
root@dbms19-HP-Pro-Tower-280-G9-PCI-Desktop-PC:/home/dbms19/Desktop# gedit fibonacci.c

(gedit:4852): dconf-WARNING **: 09:08:25.626: failed to commit changes to dconf: Failed to execute child process "dbus-launch" (No such file or directory)

(gedit:4852): dconf-WARNING **: 09:08:25.626: failed to commit changes to dconf: Failed to execute child process "dbus-launch" (No such file or directory)

(gedit:4852): dconf-WARNING **: 09:08:25.626: failed to commit changes to dconf: Failed to execute child process "dbus-launch" (No such file or directory)

(gedit:4852): dconf-WARNING **: 09:08:50.645: failed to commit changes to dconf: Failed to execute child process "dbus-launch" (No such file or directory)
root@dbms19-HP-Pro-Tower-280-G9-PCI-Desktop-PC:/home/dbms19/Desktop# gcc fibonacci.c
root@dbms19-HP-Pro-Tower-280-G9-PCI-Desktop-PC:/home/dbms19/Desktop# ./a.out
Enter the number of terms
10
The fibonacci series is:
0      1      1      2      3      5      8      13      21      34      root@dbms19-HP-Pro-Tower-280-G9-PCI-Desktop-PC:/home/dbms19/Desktop# SS
```

- **Aim :** Write a bash/ C program to check whether the number is prime.
- **Program :**

```
#include <stdio.h>
#include <stdlib.h>
int main()
{
    int n, count=0,i;
    printf("Enter any number:\n");
    scanf("%d",&n);
    for(i=1;i<=n;i++)
    {
        if(n%i==0)
            count++;
    }

    if(count==2)
    {
        printf("It is a prime number.\n");
    }
    else
    {
        printf("It is not a prime number.\n");
    }
    return 0;
}
```

- **Output :**

```
dbms19@dbms19-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~$ sudo su
[sudo] password for dbms19:
root@dbms19-HP-Pro-Tower-280-G9-PCI-Desktop-PC:/home/dbms19# cd Desktop
root@dbms19-HP-Pro-Tower-280-G9-PCI-Desktop-PC:/home/dbms19/Desktop# gedit primeno.c

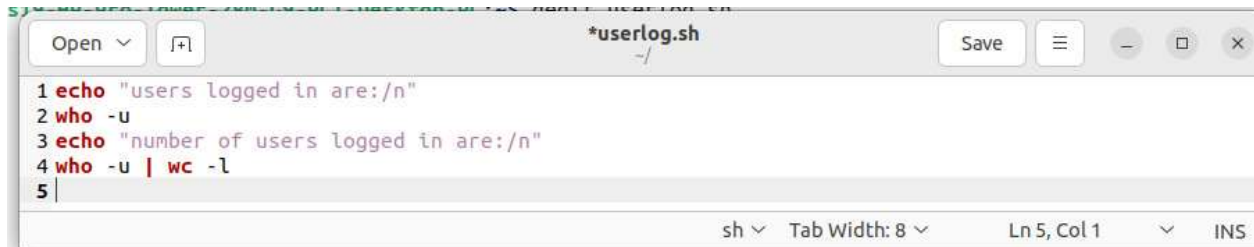
(gedit:5322): dconf-WARNING **: 09:20:07.989: failed to commit changes to dconf: Failed to execute child process "dbus-launch" (No such file or directory)

(gedit:5322): dconf-WARNING **: 09:20:07.989: failed to commit changes to dconf: Failed to execute child process "dbus-launch" (No such file or directory)

(gedit:5322): dconf-WARNING **: 09:20:07.989: failed to commit changes to dconf: Failed to execute child process "dbus-launch" (No such file or directory)

(gedit:5322): dconf-WARNING **: 09:20:12.620: failed to commit changes to dconf: Failed to execute child process "dbus-launch" (No such file or directory)
root@dbms19-HP-Pro-Tower-280-G9-PCI-Desktop-PC:/home/dbms19/Desktop# gcc primeno.c
root@dbms19-HP-Pro-Tower-280-G9-PCI-Desktop-PC:/home/dbms19/Desktop# ./a.out
Enter any number:
5
It is a prime number.
root@dbms19-HP-Pro-Tower-280-G9-PCI-Desktop-PC:/home/dbms19/Desktop# gcc primeno.c
root@dbms19-HP-Pro-Tower-280-G9-PCI-Desktop-PC:/home/dbms19/Desktop# ./a.out
Enter any number:
16
It is not a prime number.
```

```
dbms19@dbms19-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~$ touch userlog.sh
dbms19@dbms19-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~$ gedit userlog.sh
```



```
1 echo "users logged in are:/n"
2 who -u
3 echo "number of users logged in are:/n"
4 who -u | wc -l
5
```

```
dbms19@dbms19-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~$ sh userlog.sh
users logged in are:/n
dbms19  tty2          2025-03-17 08:35 00:38          1667 (tty2)
number of users logged in are:/n
1
```

```
dbms19@dbms19-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~$ touch hello.sh
dbms19@dbms19-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~$ gedit hello.sh
```



```
1 echo "Hello World!"
```

```
dbms19@dbms19-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~$ sh hello.sh
Hello World!
```

```
dbms19@dbms19-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~$ touch basiccalc.sh
dbms19@dbms19-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~$ gedit basiccalc.sh
```



```
1 echo "Enter number one:/n"
2 read n1
3 echo "Enter number two:/n"
4 read n2
5 echo "Addition =$((n1+n2))"
6 echo "Subtraction =$((n1-n2))"
7 echo "Multiplication = $((n1 * n2))"
8 echo "Division = $((n1/n2))"
9 echo "Modulus = $((n1%n2))"
```

```
dbms19@dbms19-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~$ sh basiccalc.sh
Enter number one:/n
10
Enter number two:/n
2
Addition =12
Subtraction =8
Multiplication = 20
Division = 5
Modulus = 0
```

```
dbms19@dbms19-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~$ touch evenodd.sh
dbms19@dbms19-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~$ gedit evenodd.sh
```

A screenshot of a gedit editor window titled 'evenodd.sh' with a path indicator '~/'. The window has a menu bar with 'Open', 'Save', and window control buttons. The main text area contains a shell script with 9 lines of code. The status bar at the bottom shows 'sh', 'Tab Width: 8', 'Ln 9, Col 4', and 'INS'.

```
1 echo -n "Enter the number: "
2 read n
3 rem=$((n % 2))
4 if [ $rem -eq 0 ]
5 then
6 echo "Number is even."
7 else
8 echo "Number is odd."
9 fi
```

```
dbms19@dbms19-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~$ sh evenodd.sh
Enter the number: 5
Number is odd.
```

```
dbms19@dbms19-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~$ sh evenodd.sh
Enter the number: 8
Number is even.
```



```
es Terminal Feb 10 09:39
dbms19@dbms19-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~$ cd Desktop
dbms19@dbms19-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~/Desktop$ mkdir UnixLab
dbms19@dbms19-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~/Desktop$ rmdir UnixLab
dbms19@dbms19-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~/Desktop$ pwd
/home/dbms19/Desktop
dbms19@dbms19-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~/Desktop$ touch newfile.txt
dbms19@dbms19-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~/Desktop$ gedit newfile.txt
dbms19@dbms19-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~/Desktop$ touch file.txt
dbms19@dbms19-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~/Desktop$ gedit file.txt
```

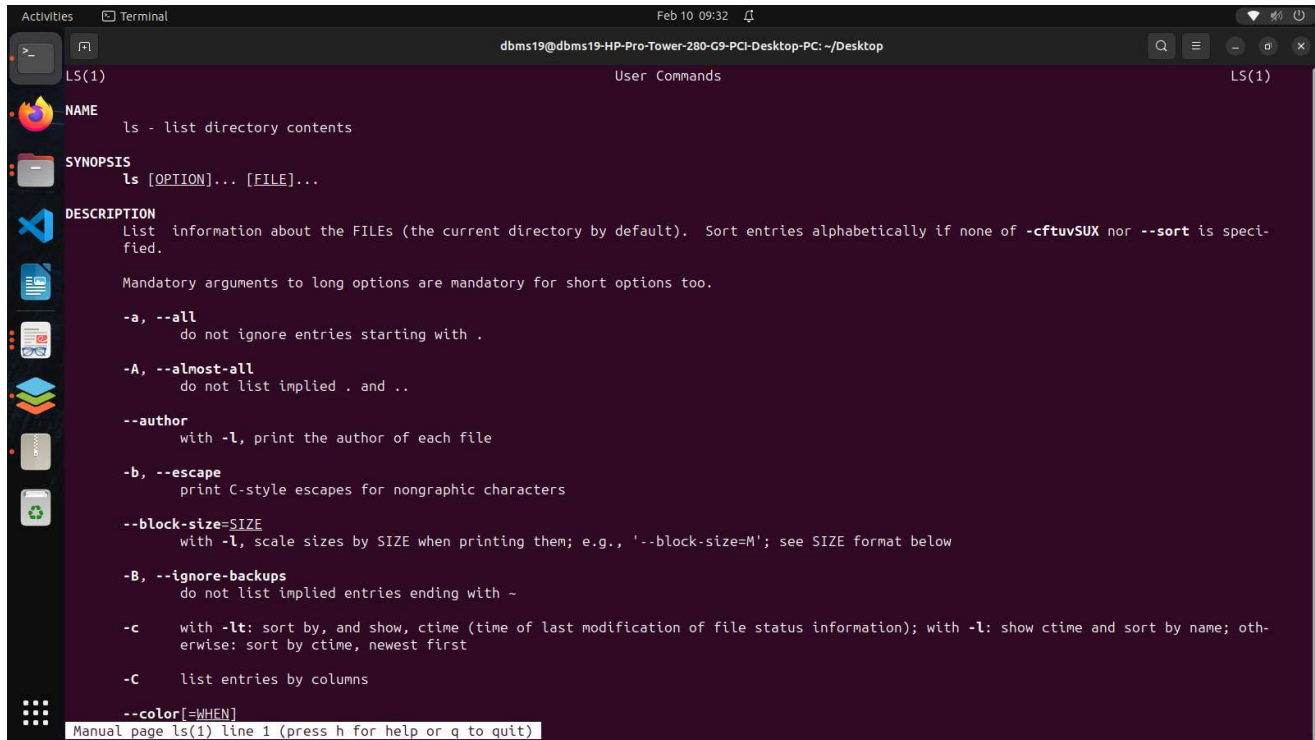
```
dbms19@dbms19-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~/Desktop$ cat newfile.txt
Experiment No 2
This is unix lab
New file is created.
dbms19@dbms19-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~/Desktop$ mv
```

```
dbms19@dbms19-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~/Desktop$ mkdir UnixLab
dbms19@dbms19-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~/Desktop$ mv file.txt /home/dbms19/Desktop/UnixLab
dbms19@dbms19-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~/Desktop$ ls
449.txt aish ankita.txt Arindam aritra.txt newfile.txt PlayfairCipher.java Unix unix2.txt unix34 UnixLab
dbms19@dbms19-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~/Desktop$ cp newfile.txt file.txt
```

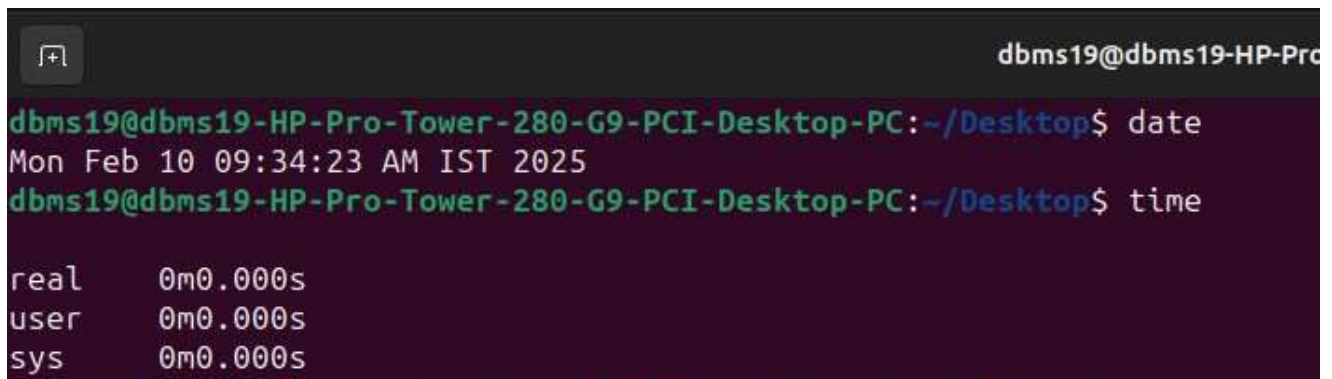
```
dbms19@dbms19-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~/Desktop$ ps
  PID TTY          TIME CMD
  8099 pts/0        00:00:00 bash
 11816 pts/0        00:00:00 ps
```

```
dbms19@dbms19-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~/Desktop$ who
dbms19    seat0          2025-02-10 08:38 (login screen)
dbms19    tty2           2025-02-10 08:38 (tty2)
dbms19@dbms19-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~/Desktop$ whoami
dbms19
```

```
dbms19@dbms19-HP-Pro-Tower-280-G9-PCI-Desktop-PC: ~/Desktop$ man
What manual page do you want?
For example, try 'man man'.
dbms19@dbms19-HP-Pro-Tower-280-G9-PCI-Desktop-PC: ~/Desktop$ man man
dbms19@dbms19-HP-Pro-Tower-280-G9-PCI-Desktop-PC: ~/Desktop$ man ls
```



```
Activities Terminal Feb 10 09:32 dbms19@dbms19-HP-Pro-Tower-280-G9-PCI-Desktop-PC: ~/Desktop
LS(1) User Commands LS(1)
NAME
ls - list directory contents
SYNOPSIS
ls [OPTION]... [FILE]...
DESCRIPTION
List information about the FILES (the current directory by default). Sort entries alphabetically if none of -cftuvSUX nor --sort is specified.
Mandatory arguments to long options are mandatory for short options too.
-a, --all
do not ignore entries starting with .
-A, --almost-all
do not list implied . and ..
--author
with -l, print the author of each file
-b, --escape
print C-style escapes for nongraphic characters
--block-size=SIZE
with -l, scale sizes by SIZE when printing them; e.g., '--block-size=M'; see SIZE format below
-B, --ignore-backups
do not list implied entries ending with ~
-c
with -lt: sort by, and show, ctime (time of last modification of file status information); with -l: show ctime and sort by name; otherwise: sort by ctime, newest first
-C
list entries by columns
--color[=WHEN]
Manual page ls(1) line 1 (press h for help or q to quit)
```



```
dbms19@dbms19-HP-Pro-Tower-280-G9-PCI-Desktop-PC: ~/Desktop$ date
Mon Feb 10 09:34:23 AM IST 2025
dbms19@dbms19-HP-Pro-Tower-280-G9-PCI-Desktop-PC: ~/Desktop$ time

real    0m0.000s
user    0m0.000s
sys     0m0.000s
```

```
dbms19@dbms19-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~/Desktop$ cal
    February 2025
Su Mo Tu We Th Fr Sa
                1
 2  3  4  5  6  7  8
 9 10 11 12 13 14 15
16 17 18 19 20 21 22
23 24 25 26 27 28
```

```
Desktop: No such file or directory
dbms19@dbms19-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~/Desktop$ less Unix
Unix/      UnixLab/
dbms19@dbms19-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~/Desktop$ less UnixLab/
UnixLab/ is a directory
```

```
dbms19@dbms19-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~/Desktop$ bc
bc 1.07.1
Copyright 1991-1994, 1997, 1998, 2000, 2004, 2006, 2008, 2012-2017 Free Software Foundation, Inc.
This is free software with ABSOLUTELY NO WARRANTY.
For details type `warranty'.
18+56
74
45-8
37
12/6
2
45*8
360
12%6
0
█
```

```
dbms19@dbms19-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~/Desktop$ head newfile.txt
Experiment No 2
This is unix lab
New file is created.
```

```
dbms19@dbms19-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~/Desktop$ tail newfile.txt
Experiment No 2
This is unix lab
New file is created.
dbms19@dbms19-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~/Desktop$ more
```

```
dbms19@dbms19-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~/Desktop$ history
1 sudo su
2 python
3 python3
4 sudo gedit /etc/profile
5 cd Desktop
6 cd 550
7 javac Productcipher.java
8 sudo su
9 sudo apt install curl
10 sudo curl -fsSLo /usr/share/keyrings/brave-browser-archive-keyring.gpg https://brave-browser-apt-release.s3.brave.com/brave-browser-archive-keyr
ing.gpg
11 sudo apt install curl
12 sudo curl -fsSLo /usr/share/keyrings/brave-browser-archive-keyring.gpg https://brave-browser-apt-release.s3.brave.com/brave-browser-archive-keyr
ing.gpg
13 echo "deb [signed-by=/usr/share/keyrings/brave-browser-archive-keyring.gpg] https://brave-browser-apt-release.s3.brave.com/ stable main"|sudo tee
/etc/apt/sources.list.d/brave-browser-release.list
14 sudo apt update
15 sudo apt install brave-browser
16 sudo su
17 sudo su
18 sudo su
19 java -v
```



```
packets dropped by kernel
dbms15@dbms15-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~$ ifconfig
enp1s0: flags=4099<UP,BROADCAST,MULTICAST> mtu 1500
    ether e0:73:e7:10:65:c5 txqueuelen 1000 (Ethernet)
    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

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 383 bytes 40946 (40.9 KB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 383 bytes 40946 (40.9 KB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

wlp2s0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 192.168.2.129 netmask 255.255.255.0 broadcast 192.168.2.255
    inet6 fe80::bc64:408d:8ee4:a0f6 prefixlen 64 scopeid 0x20<link>
    ether cc:47:40:d7:e9:99 txqueuelen 1000 (Ethernet)
    RX packets 1902 bytes 663009 (663.0 KB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 481 bytes 88009 (88.0 KB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
```

```
dbms15@dbms15-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~$ ping -b 192.168.2.255
```

```
WARNING: pinging broadcast address
```

```
PING 192.168.2.255 (192.168.2.255) 56(84) bytes of data.
```

```
64 bytes from 192.168.2.1: icmp_seq=1 ttl=64 time=8.64 ms
```

```
64 bytes from 192.168.2.101: icmp_seq=1 ttl=64 time=37.1 ms
```

```
64 bytes from 192.168.2.1: icmp_seq=2 ttl=64 time=15.4 ms
```

```
64 bytes from 192.168.2.101: icmp_seq=2 ttl=64 time=270 ms
```

```
64 bytes from 192.168.2.1: icmp_seq=3 ttl=64 time=5.61 ms
```

```
64 bytes from 192.168.2.101: icmp_seq=3 ttl=64 time=195 ms
```

```
64 bytes from 192.168.2.1: icmp_seq=4 ttl=64 time=10.3 ms
```

```
64 bytes from 192.168.2.101: icmp_seq=4 ttl=64 time=222 ms
```

```
64 bytes from 192.168.2.1: icmp_seq=5 ttl=64 time=5.84 ms
```

```
64 bytes from 192.168.2.101: icmp_seq=5 ttl=64 time=27.7 ms
```

```
64 bytes from 192.168.2.1: icmp_seq=6 ttl=64 time=5.74 ms
```

```
64 bytes from 192.168.2.101: icmp_seq=6 ttl=64 time=162 ms
```

```
64 bytes from 192.168.2.1: icmp_seq=7 ttl=64 time=5.63 ms
```

```
64 bytes from 192.168.2.101: icmp_seq=7 ttl=64 time=390 ms
```

```
64 bytes from 192.168.2.1: icmp_seq=8 ttl=64 time=9.00 ms
```

```
64 bytes from 192.168.2.101: icmp_seq=8 ttl=64 time=204 ms
```

```
64 bytes from 192.168.2.1: icmp_seq=9 ttl=64 time=5.05 ms
```

```
64 bytes from 192.168.2.101: icmp_seq=9 ttl=64 time=17.1 ms
```

```
64 bytes from 192.168.2.1: icmp_seq=10 ttl=64 time=8.56 ms
```

```
64 bytes from 192.168.2.101: icmp_seq=10 ttl=64 time=39.7 ms
```

```
64 bytes from 192.168.2.1: icmp_seq=11 ttl=64 time=5.66 ms
```

```
64 bytes from 192.168.2.101: icmp_seq=11 ttl=64 time=174 ms
```

```
64 bytes from 192.168.2.1: icmp_seq=12 ttl=64 time=5.66 ms
```

```
64 bytes from 192.168.2.101: icmp_seq=12 ttl=64 time=402 ms
```

```
64 bytes from 192.168.2.1: icmp_seq=13 ttl=64 time=5.05 ms
```

```
64 bytes from 192.168.2.101: icmp_seq=13 ttl=64 time=319 ms
```

```
64 bytes from 192.168.2.1: icmp_seq=14 ttl=64 time=8.90 ms
```

```
64 bytes from 192.168.2.101: icmp_seq=14 ttl=64 time=38.6 ms
```

```
64 bytes from 192.168.2.1: icmp_seq=15 ttl=64 time=5.31 ms
```

```
64 bytes from 192.168.2.101: icmp_seq=15 ttl=64 time=163 ms
```

```
64 bytes from 192.168.2.1: icmp_seq=16 ttl=64 time=8.67 ms
```

```
64 bytes from 192.168.2.101: icmp_seq=16 ttl=64 time=186 ms
```

```
64 bytes from 192.168.2.1: icmp_seq=17 ttl=64 time=5.05 ms
```

```
dbms15@dbms15-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~$ traceroute google.com
```

```
traceroute to google.com (142.250.77.46), 30 hops max, 60 byte packets
```

```
1  _gateway (192.168.2.1)  5.936 ms  5.898 ms  5.880 ms
2  puppetmaster (192.168.0.1)  100.902 ms  100.886 ms  100.871 ms
3  103.149.174.161 (103.149.174.161)  100.478 ms  100.445 ms  100.426 ms
4  103.149.174.5 (103.149.174.5)  100.409 ms  100.391 ms  100.376 ms
5  197.11.112.45.mipl.com (45.112.11.197)  100.735 ms  100.345 ms  100.703 ms
6  172.16.2.202 (172.16.2.202)  100.686 ms  *  *
7  22.188.100.175.mipl.com (175.100.188.22)  98.317 ms  104.263 ms  104.222 ms
8  *  *  *
9  216.239.46.136 (216.239.46.136)  104.149 ms  108.170.226.130 (108.170.226.130)  104.489 ms  142.251.69.102 (142.251.69.102)  104.107 ms
10  192.178.110.108 (192.178.110.108)  104.088 ms  192.178.110.110 (192.178.110.110)  104.070 ms  142.250.238.201 (142.250.238.201)  104.419 ms
11  bom07s26-in-f14.1e100.net (142.250.77.46)  104.037 ms  104.021 ms  192.178.110.249 (192.178.110.249)  104.346 ms
```


dbms15@dbms15-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~\$ netstat

Active Internet connections (w/o servers)

Proto	Recv-Q	Send-Q	Local Address	Foreign Address	State
tcp	0	32	dbms15-HP-Pro-Tow:52100	5.8.93.138:19092	ESTABLISHED
tcp	0	0	dbms15-HP-Pro-Tow:42458	a104-97-76-226.de:https	ESTABLISHED
tcp	0	0	dbms15-HP-Pro-Tow:40308	bom07s27-in-f10.1:https	ESTABLISHED
tcp	0	1	dbms15-HP-Pro-Tow:49310	ads.us.e-planning:https	LAST_ACK
tcp	0	0	dbms15-HP-Pro-Tow:45680	163.184.100.175.m:https	ESTABLISHED
tcp	0	0	dbms15-HP-Pro-Tow:45978	bom07s31-in-f3.1e:https	ESTABLISHED
tcp	0	0	dbms15-HP-Pro-Tow:35572	bom07s31-in-f3.1e:https	ESTABLISHED
tcp	0	0	dbms15-HP-Pro-Tow:36270	143.244.197.139:https	ESTABLISHED
tcp	32	0	dbms15-HP-Pro-Tow:42474	pare-many.psychef:https	CLOSE_WAIT
tcp	0	0	dbms15-HP-Pro-Tow:35564	ec2-54-195-125-7.:https	ESTABLISHED
tcp	0	0	dbms15-HP-Pro-Tow:38566	151.101.193.91:https	ESTABLISHED
tcp	0	0	dbms15-HP-Pro-Tow:40646	91.243.81.149:https	ESTABLISHED
tcp	0	1	dbms15-HP-Pro-Tow:46574	pare-many.psychef:https	LAST_ACK
tcp	0	0	dbms15-HP-Pro-Tow:45678	163.184.100.175.m:https	ESTABLISHED
tcp	0	1	dbms15-HP-Pro-Tow:40686	vista.secretprowe:https	LAST_ACK
tcp	0	0	dbms15-HP-Pro-Tow:54182	bom07s31-in-f3.1e:https	ESTABLISHED
tcp	0	0	dbms15-HP-Pro-Tow:43334	ec2-3-0-107-214.a:https	ESTABLISHED
tcp	0	0	dbms15-HP-Pro-Tow:59880	bom07s32-in-f3.1e:https	TIME_WAIT
tcp	0	0	dbms15-HP-Pro-Tow:48374	69.173.158.64:https	FIN_WAIT2
tcp	0	1	dbms15-HP-Pro-Tow:53942	ads.us.e-planning:https	LAST_ACK
tcp	0	0	dbms15-HP-Pro-Tow:57410	90.7.213.35.bc.go:https	ESTABLISHED
tcp	0	0	dbms15-HP-Pro-Tow:38028	151.101.2.49:https	ESTABLISHED
tcp	0	0	dbms15-HP-Pro-Tow:57050	8.154.244.35.bc.g:https	ESTABLISHED
tcp	0	1	dbms15-HP-Pro-Tow:51938	ip81.ip-51-79-152:https	LAST_ACK
tcp	0	0	dbms15-HP-Pro-Tow:57416	90.7.213.35.bc.go:https	ESTABLISHED
tcp	0	0	dbms15-HP-Pro-Tow:53966	69.173.158.92:https	ESTABLISHED
tcp	0	0	dbms15-HP-Pro-Tow:55676	172.64.155.119:https	ESTABLISHED
tcp	0	0	dbms15-HP-Pro-Tow:40502	69.173.158.65:https	TIME_WAIT
tcp	0	0	dbms15-HP-Pro-Tow:40924	bom07s45-in-f1.1e:https	ESTABLISHED
tcp	0	0	dbms15-HP-Pro-Tow:58924	104.18.27.216:https	ESTABLISHED
tcp	0	0	dbms15-HP-Pro-Tow:56448	172.64.144.50:https	ESTABLISHED
tcp	0	0	dbms15-HP-Pro-Tow:52186	88.199.214.35.bc.:https	ESTABLISHED
tcp	64	0	dbms15-HP-Pro-Tow:50550	143-244-50-82.bun:https	CLOSE_WAIT
tcp	0	0	dbms15-HP-Pro-Tow:57578	151.101.194.49:https	ESTABLISHED

```
dbms15@dbms15-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~$ nslookup
```

```
> google.com
```

```
Server:      127.0.0.53
```

```
Address:     127.0.0.53#53
```

```
Non-authoritative answer:
```

```
Name:   google.com
```

```
Address: 142.250.77.46
```

```
Name:   google.com
```

```
Address: 2404:6800:4009:81c::200e
```



```
-q [version|sources|types] query specified server info
dbms15@dbms15-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~$ whois google.com
Domain Name: GOOGLE.COM
Registry Domain ID: 2138514_DOMAIN_COM-VRSN
Registrar WHOIS Server: whois.markmonitor.com
Registrar URL: http://www.markmonitor.com
Updated Date: 2019-09-09T15:39:04Z
Creation Date: 1997-09-15T04:00:00Z
Registry Expiry Date: 2028-09-14T04:00:00Z
Registrar: MarkMonitor Inc.
Registrar IANA ID: 292
Registrar Abuse Contact Email: abusecomplaints@markmonitor.com
Registrar Abuse Contact Phone: +1.2086851750
Domain Status: clientDeleteProhibited https://icann.org/epp#clientDeleteProhibited
Domain Status: clientTransferProhibited https://icann.org/epp#clientTransferProhibited
Domain Status: clientUpdateProhibited https://icann.org/epp#clientUpdateProhibited
Domain Status: serverDeleteProhibited https://icann.org/epp#serverDeleteProhibited
Domain Status: serverTransferProhibited https://icann.org/epp#serverTransferProhibited
Domain Status: serverUpdateProhibited https://icann.org/epp#serverUpdateProhibited
Name Server: NS1.GOOGLE.COM
Name Server: NS2.GOOGLE.COM
Name Server: NS3.GOOGLE.COM
Name Server: NS4.GOOGLE.COM
DNSSEC: unsigned
URL of the ICANN Whois Inaccuracy Complaint Form: https://www.icann.org/wicf/
>>> Last update of whois database: 2025-01-27T04:06:17Z <<<
```

For more information on Whois status codes, please visit <https://icann.org/epp>

NOTICE: The expiration date displayed in this record is the date the registrar's sponsorship of the domain name registration in the registry is currently set to expire. This date does not necessarily reflect the expiration date of the domain name registrant's agreement with the sponsoring registrar. Users may consult the sponsoring registrar's Whois database to view the registrar's reported date of expiration for this registration.

TERMS OF USE: You are not authorized to access or query our Whois database through the use of electronic processes that are high-volume and automated except as reasonably necessary to register domain names or

```
dbms15@dbms15-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~$ hostname
dbms15-HP-Pro-Tower-280-G9-PCI-Desktop-PC
dbms15@dbms15-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~$ host
Usage: host [-aCdilrTvVw] [-c class] [-N ndots] [-t type] [-W time]
        [-R number] [-m flag] [-p port] hostname [server]
  -a is equivalent to -v -t ANY
  -A is like -a but omits RRSIG, NSEC, NSEC3
  -c specifies query class for non-IN data
  -C compares SOA records on authoritative nameservers
  -d is equivalent to -v
  -l lists all hosts in a domain, using AXFR
  -m set memory debugging flag (trace|record|usage)
  -N changes the number of dots allowed before root lookup is done
  -p specifies the port on the server to query
  -r disables recursive processing
  -R specifies number of retries for UDP packets
  -s a SERVFAIL response should stop query
  -t specifies the query type
  -T enables TCP/IP mode
  -U enables UDP mode
  -v enables verbose output
  -V print version number and exit
  -w specifies to wait forever for a reply
  -W specifies how long to wait for a reply
  -4 use IPv4 query transport only
  -6 use IPv6 query transport only
dbms15@dbms15-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~$ |
```

[illegible]