

```
vsduser@vsduser-VirtualBox: ~  
File Edit View Search Terminal Help  
bash: cd: desktop: No such file or directory  
vsduser@vsduser-VirtualBox:~$ cd Desktop  
vsduser@vsduser-VirtualBox:~/Desktop$ ls  
vsduser@vsduser-VirtualBox:~/Desktop$ ls -ltr  
total 0  
vsduser@vsduser-VirtualBox:~/Desktop$ cd ..  
vsduser@vsduser-VirtualBox:~$ ls -ltr  
total 76  
-rw-r--r-- 1 vsduser vsduser 8980 Sep 18 2023 examples.desktop  
drwxr-xr-x 2 vsduser vsduser 4096 Sep 18 2023 Videos  
drwxr-xr-x 2 vsduser vsduser 4096 Sep 18 2023 Templates  
drwxr-xr-x 2 vsduser vsduser 4096 Sep 18 2023 Public  
drwxr-xr-x 2 vsduser vsduser 4096 Sep 18 2023 Pictures  
drwxr-xr-x 2 vsduser vsduser 4096 Sep 18 2023 Music  
drwxr-xr-x 2 vsduser vsduser 4096 Sep 18 2023 Downloads  
drwxr-xr-x 2 vsduser vsduser 4096 Sep 18 2023 Documents  
drwxr-xr-x 2 vsduser vsduser 4096 Sep 18 2023 Desktop  
drwxrwxr-x 8 vsduser vsduser 4096 Sep 18 2023 riscv_workshop_collaterals  
-rw-rw-r-- 1 vsduser vsduser 33 Mar 28 14:01 yes  
drwxrwxr-x 2 vsduser vsduser 4096 Mar 28 14:16 ab.txt  
-rwxrwxr-x 1 vsduser vsduser 8312 Mar 29 12:11 a.out  
drwxrwxr-x 2 vsduser vsduser 4096 Mar 31 12:16 navaneetha.txt  
drwxrwxr-x 2 vsduser vsduser 4096 Mar 31 12:20 Navaneetha.txt  
vsduser@vsduser-VirtualBox:~$
```

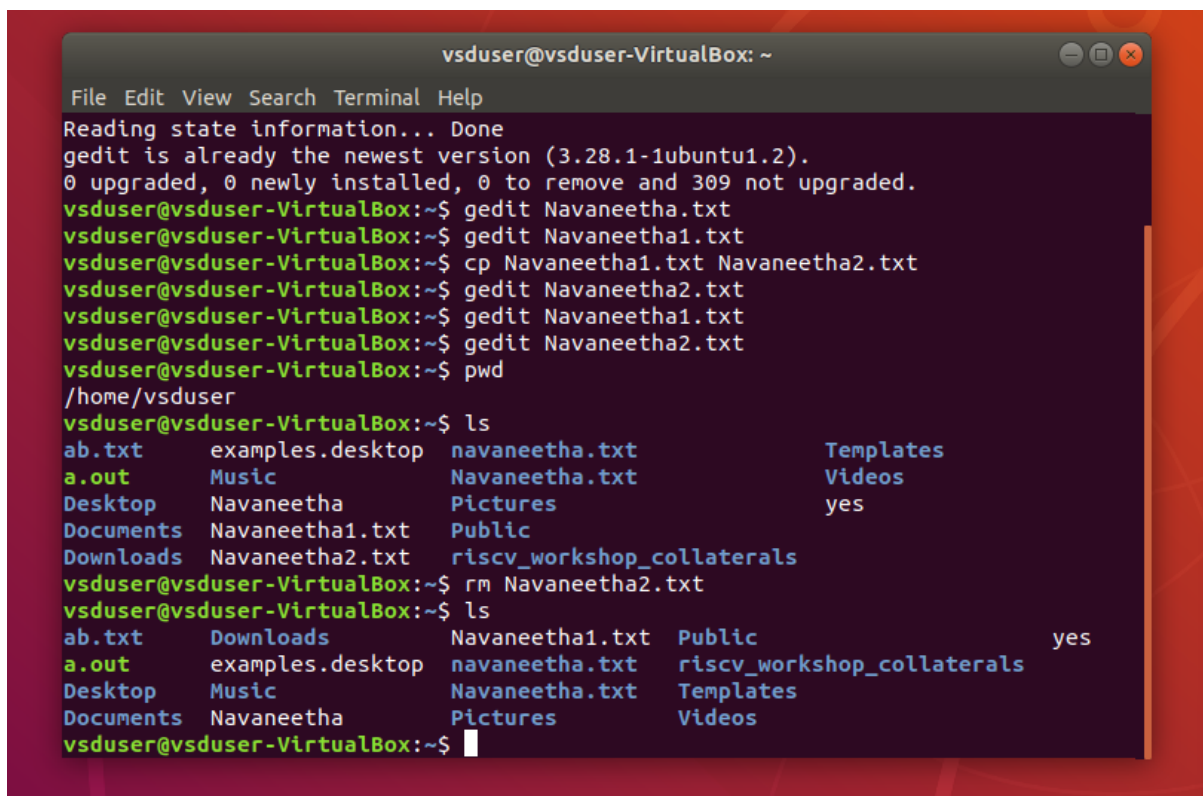
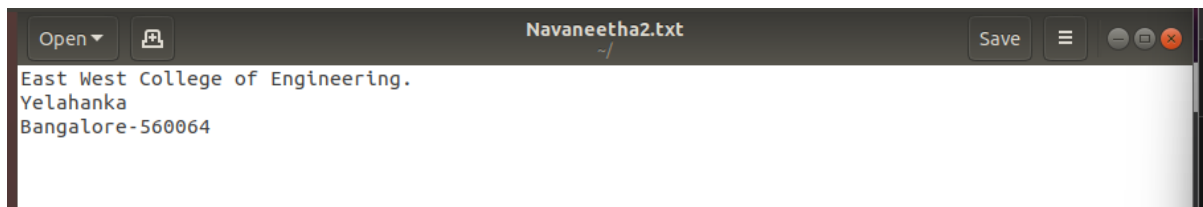
```
vsduser@vsduser-VirtualBox: ~  
File Edit View Search Terminal Help  
vsduser@vsduser-VirtualBox:~$ cd Desktop  
vsduser@vsduser-VirtualBox:~/Desktop$ ls -ltr  
total 0  
vsduser@vsduser-VirtualBox:~/Desktop$ cd ..  
vsduser@vsduser-VirtualBox:~$ ls -l  
total 76  
drwxrwxr-x 2 vsduser vsduser 4096 Mar 28 14:16 ab.txt  
-rwxrwxr-x 1 vsduser vsduser 8312 Mar 29 12:11 a.out  
drwxr-xr-x 2 vsduser vsduser 4096 Sep 18 2023 Desktop  
drwxr-xr-x 2 vsduser vsduser 4096 Sep 18 2023 Documents  
drwxr-xr-x 2 vsduser vsduser 4096 Sep 18 2023 Downloads  
-rw-r--r-- 1 vsduser vsduser 8980 Sep 18 2023 examples.desktop  
drwxr-xr-x 2 vsduser vsduser 4096 Sep 18 2023 Music  
drwxrwxr-x 2 vsduser vsduser 4096 Mar 31 12:16 navaneetha.txt  
drwxrwxr-x 2 vsduser vsduser 4096 Mar 31 12:20 Navaneetha.txt  
drwxr-xr-x 2 vsduser vsduser 4096 Sep 18 2023 Pictures  
drwxr-xr-x 2 vsduser vsduser 4096 Sep 18 2023 Public  
drwxrwxr-x 8 vsduser vsduser 4096 Sep 18 2023 riscv_workshop_collaterals  
drwxr-xr-x 2 vsduser vsduser 4096 Sep 18 2023 Templates  
drwxr-xr-x 2 vsduser vsduser 4096 Sep 18 2023 Videos  
-rw-rw-r-- 1 vsduser vsduser 33 Mar 28 14:01 yes  
vsduser@vsduser-VirtualBox:~$
```

```
vsduser@vsduser-VirtualBox: ~
File Edit View Search Terminal Help
GNU nano 2.9.3 New Buffer Modified

hello world

[ "Navaneetha.txt" is a directory ]
^G Get Help ^O Write Out ^W Where Is ^K Cut Text ^J Justify ^C Cur Pos
^X Exit ^R Read File ^\ Replace ^U Uncut Text ^T To Spell ^_ Go To Line
```

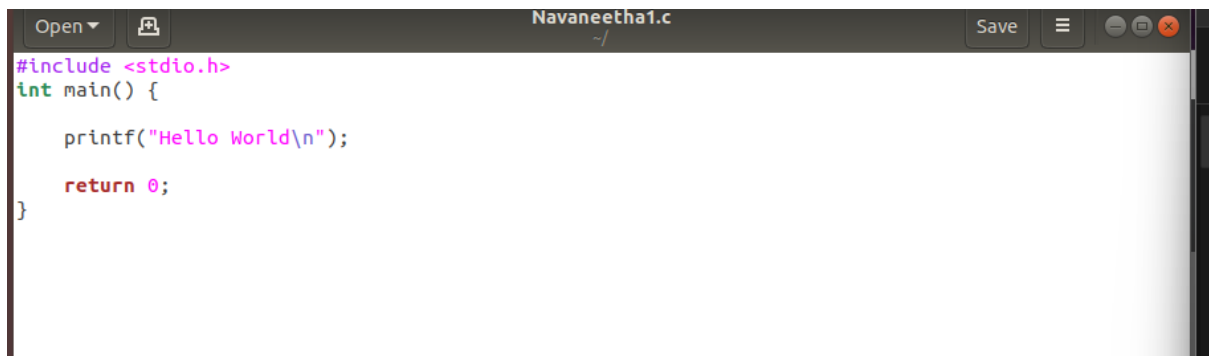
```
vsduser@vsduser-VirtualBox: ~
File Edit View Search Terminal Help
vsduser@vsduser-VirtualBox:~$ nano Navaneetha.txt
vsduser@vsduser-VirtualBox:~$ sudo apt install gedit
[sudo] password for vsduser:
Reading package lists... Done
Building dependency tree
Reading state information... Done
gedit is already the newest version (3.28.1-1ubuntu1.2).
0 upgraded, 0 newly installed, 0 to remove and 309 not upgraded.
vsduser@vsduser-VirtualBox:~$ gedit Navaneetha.txt
```





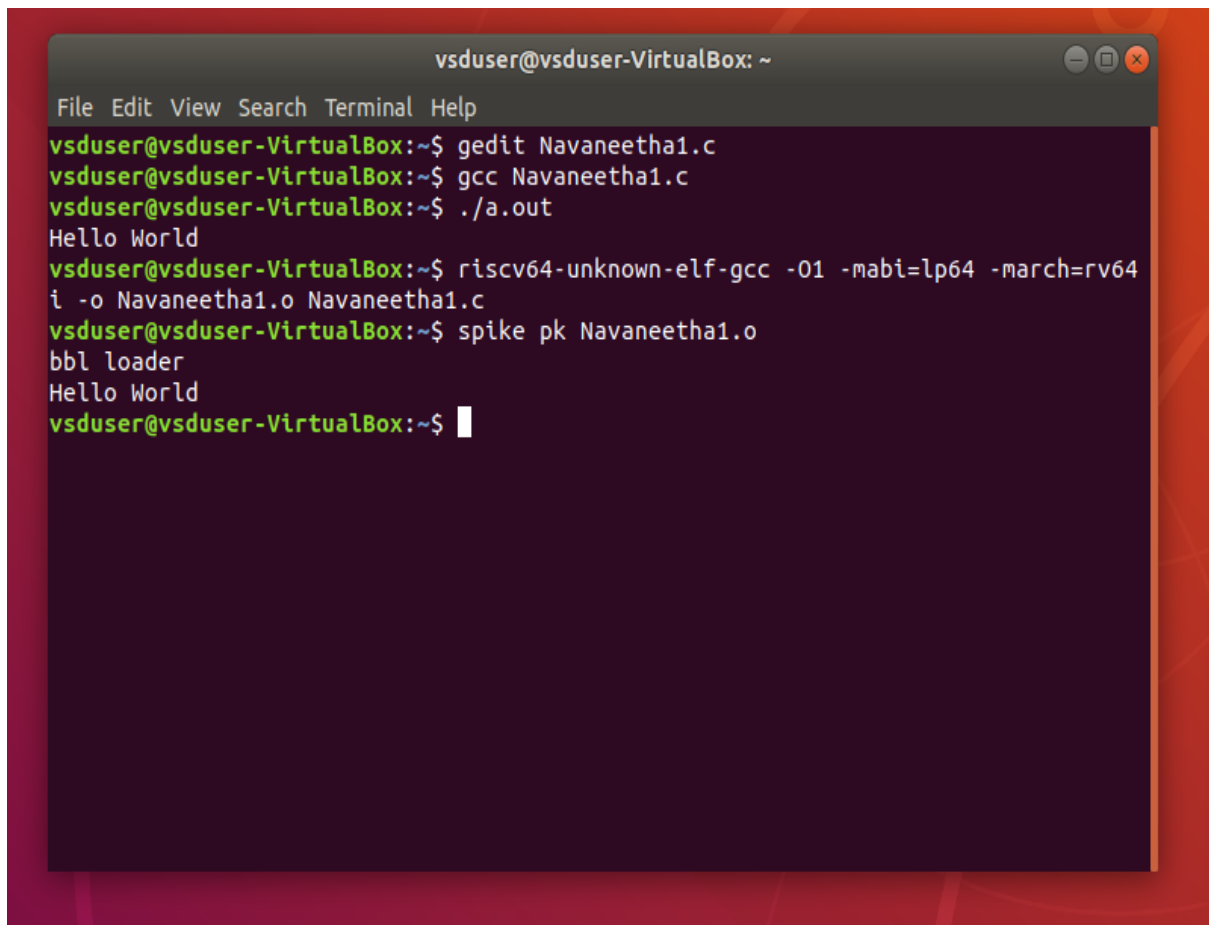
```
vsduser@vsduser-VirtualBox: ~  
File Edit View Search Terminal Help  
vsduser@vsduser-VirtualBox:~$ gedit Navaneetha.c  
vsduser@vsduser-VirtualBox:~$ gcc Navaneetha.c  
vsduser@vsduser-VirtualBox:~$ ./a.out  
Enter the first number:5  
Enter the second number:7  
The sum of 5 and 7 is 12  
vsduser@vsduser-VirtualBox:~$
```

```
vsduser@vsduser-VirtualBox: ~  
File Edit View Search Terminal Help  
vsduser@vsduser-VirtualBox:~$ gedit Navaneetha.c  
vsduser@vsduser-VirtualBox:~$ gcc Navaneetha.c  
vsduser@vsduser-VirtualBox:~$ ./a.out  
Enter the first number:5  
Enter the second number:7  
The sum of 5 and 7 is 12  
vsduser@vsduser-VirtualBox:~$ riscv64-unknown-elf-gcc -O1 -mabi=lp64 -march=rv64  
i -o Navaneetha.o Navaneetha.c  
vsduser@vsduser-VirtualBox:~$ spike pk Navaneetha.o  
bbl loader  
Enter the first number:5  
Enter the second number:7  
The sum of 5 and 7 is 12  
vsduser@vsduser-VirtualBox:~$
```



```
Open ▾ Navaneetha1.c Save
```

```
#include <stdio.h>
int main() {
    printf("Hello World\n");
    return 0;
}
```



```
vsduser@vsduser-VirtualBox: ~
File Edit View Search Terminal Help
vsduser@vsduser-VirtualBox:~$ gedit Navaneetha1.c
vsduser@vsduser-VirtualBox:~$ gcc Navaneetha1.c
vsduser@vsduser-VirtualBox:~$ ./a.out
Hello World
vsduser@vsduser-VirtualBox:~$ riscv64-unknown-elf-gcc -O1 -mabi=lp64 -march=rv64
i -o Navaneetha1.o Navaneetha1.c
vsduser@vsduser-VirtualBox:~$ spike pk Navaneetha1.o
bbl loader
Hello World
vsduser@vsduser-VirtualBox:~$
```