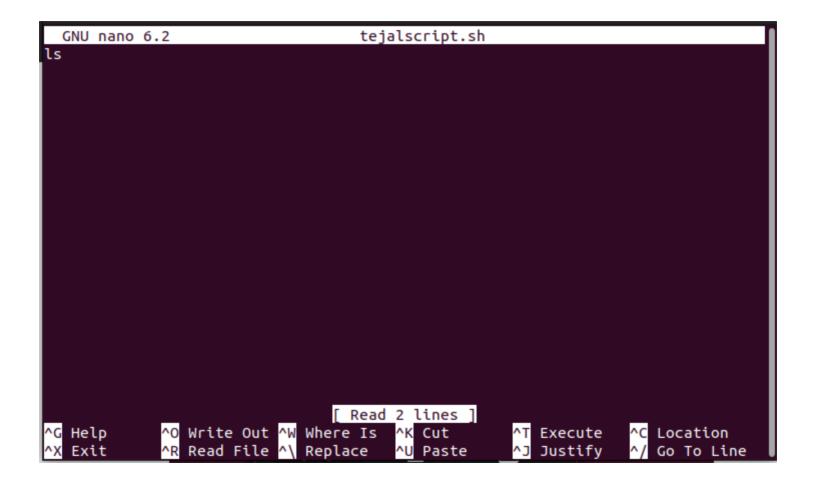
```
tejal@Tejal-VirtualBox:~$ nano tejalscript.sh
tejal@Tejal-VirtualBox:~$
```

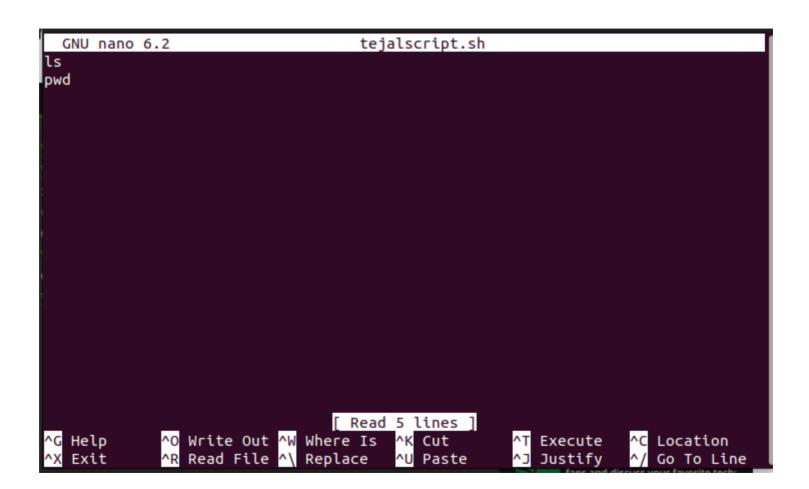


```
Q
                             tejal@Tejal-VirtualBox: ~
 Ŧ
                                                                      tejal@Tejal-VirtualBox:~$ nano tejalscript.sh
tejal@Tejal-VirtualBox:~$ sudo chmod +x tejalscript.sh\
[sudo] password for tejal:
tejal@Tejal-VirtualBox:~$ ls
add1.c
                                                               textcmpr1.txt
add3.c
                                                               textcmpr2.txt
            ass7.c
                                               sum1.c
add.c
                                               tejalscript.sh Videos
            ass8.c
                        greet
                                   SLL.c
a.out
                                   stack_arr.c textcmpr1
tejal@Tejal-VirtualBox:~$
```

```
tejal@Tejal-VirtualBox: ~
                                                        Q
                                                                      add3.c
                                               sum1.c
                                                              textcmpr2.txt
            ass7.c
add.c
           ass8.c
                     greet
                                   SLL.c
                                              tejalscript.sh Videos
a.out
                                   stack arr.c textcmpr1
tejal@Tejal-VirtualBox:~S ls -l
total 120
-rw-rw-r-- 1 tejal tejal 152 Jan 3 20:49 add1.c
-rw-rw-r-- 1 tejal tejal 78 Jan 3 10:00 add3.c
-rw-rw-r-- 1 tejal tejal
                           0 Jan 3 20:32 add.c
-rwxrwxr-x 1 tejal tejal 16544 Jan 6 08:44 a.out
-rw-rw-r-- 1 tejal tejal 10240 Jan 3 23:38 archive.tar
-rw-rw-r-- 1 tejal tejal 187 Jan 3 23:52 archive.zip
-rw-rw-r-- 1 tejal tejal 5044 Jan 7 22:51 ass7.c
-rw-rw-r-- 1 tejal tejal 0 Jan 10 21:21 ass8.c
drwxr-xr-x 2 tejal tejal 4096 Jan 2 22:31 Desktop
drwxr-xr-x 2 tejal tejal 4096 Jan 2 22:31 Documents
drwxr-xr-x 3 tejal tejal 4096 Jan 16 20:07 Downloads
drwxrwxr-x 2 tejal tejal 4096 Jan 3 21:14 DTL
-rw-rw-r-- 1 tejal tejal
                           3 Jan 3 23:24 greet
drwxr-xr-x 2 tejal tejal 4096 Jan 2 22:31 Music
```

```
-rw-rw-r-- 1 tejal tejal 187 Jan 3 23:52 archive.zip
 -rw-rw-r-- 1 tejal tejal 5044 Jan 7 22:51 ass7.c
 -rw-rw-r-- 1 tejal tejal 0 Jan 10 21:21 ass8.c
 drwxr-xr-x 2 tejal tejal 4096 Jan 2 22:31 Desktop
 drwxr-xr-x 2 tejal tejal 4096 Jan 2 22:31 Documents
 drwxr-xr-x 3 tejal tejal 4096 Jan 16 20:07 Downloads
 drwxrwxr-x 2 tejal tejal 4096 Jan 3 21:14 DTL
0 -rw-rw-r-- 1 tejal tejal 3 Jan 3 23:24 greet
mdrwxr-xr-x 2 tejal tejal 4096 Jan 2 22:31 Music
drwxr-xr-x 3 tejal tejal 4096 Jan 10 21:34 Pictures
 drwxrwxr-x 2 tejal tejal 4096 Jan 3 21:10 PPL
 drwxr-xr-x 2 tejal tejal 4096 Jan 2 22:31 Public
^{\Gamma} -rw-rw-r-- 1 tejal tejal 3626 Jan 5 19:32 SLL.c
Idrwx----- 5 tejal tejal 4096 Feb 6 08:37 snap
m-rw-rw-r-- 1 tejal tejal
                            0 Jan 7 22:47 stack arr.c
rdrwxrwxr-x 2 tejal tejal 4096 Jan 24 09:20 stackpr
-rw-rw-r-- 1 tejal tejal 0 Jan 4 11:24 sum1.c
 -rwxrwxr-x 1 tejal tejal 4 Feb 5 23:06 tejalscript.sh
 drwxr-xr-x 2 tejal tejal 4096 Jan
                                  2 22:31 Templates
 -rw-rw-r-- 1 tejal tejal 0 Jan 4 11:24 textcmpr1
 -rwxrwxr-x 1 tejal tejal 11 Jan 4 11:24 textcmpr1.txt
 -rw-rw-r-- 1 tejal tejal 15 Jan 3 23:35 textcmpr2.txt
 drwxr-xr-x 2 tejal tejal 4096 Jan 2 22:31 Videos
 tejal@Tejal-VirtualBox:~$
```

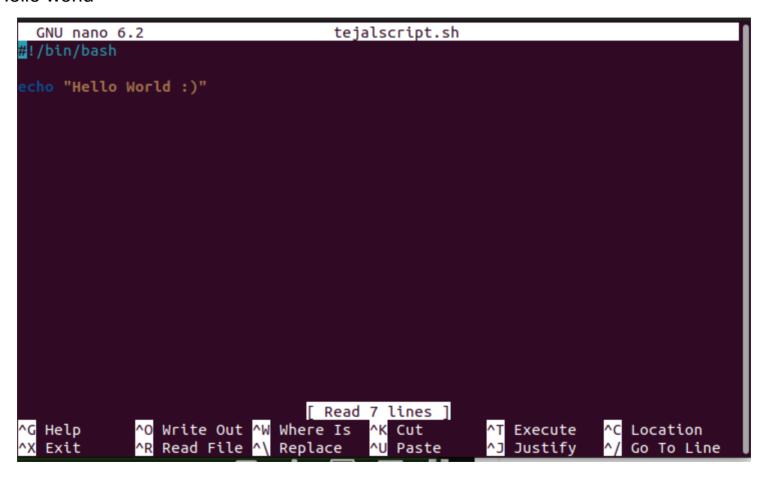
```
tejal@Tejal-VirtualBox:~$ ./tejalscript.sh
                                               stackpr
add1.c
            archive.zip Downloads
                                   PPL
                                                              textcmpr1.txt
add3.c
                        DTL
                                   Public
                                               sum1.c
                                                              textcmpr2.txt
            ass7.c
add.c
            ass8.c
                        greet
                                   SLL.c
                                               tejalscript.sh
                                                              Videos
            Desktop
                        Music
                                               Templates
a.out
                                   snap
archive.tar Documents
                        Pictures
                                   stack_arr.c textcmpr1
tejal@Tejal-VirtualBox:~$
```



Added pwd

```
tejal@Tejal-VirtualBox:~$ pwd
/home/tejal
tejal@Tejal-VirtualBox:~$ nano tejalscript.sh
tejal@Tejal-VirtualBox:~$ nano tejalscript.sh
tejal@Tejal-VirtualBox:~$ ./tejalscript.sh
add1.c
            archive.zip Downloads PPL
                                               stackpr
                                                               textcmpr1.txt
add3.c
                                   Public
                                                               textcmpr2.txt
            ass7.c
                         DTL
                                               sum1.c
add.c
                                                               Videos
                                   SLL.c
                                               tejalscript.sh
            ass8.c
                        greet
a.out
            Desktop
                       Music
                                               Templates
                                   snap
archive.tar Documents
                         Pictures
                                   stack_arr.c textcmpr1
/home/tejal
tejal@Tejal-VirtualBox:~$
```

Hello world



```
tejal@Tejal-VirtualBox:~$ nano tejalscript.sh
tejal@Tejal-VirtualBox:~$ ./tejalscript.sh
Hello World :)
tejal@Tejal-VirtualBox:~$
```

```
tejalscript.sh *
  GNU nano 6.2
#!/bin/bash
echo "Hello World :)"
echo "My current working directory is: "
pwd
              ^O Write Out ^W Where Is ^K Cut ^R Read File ^\ Replace ^U Past
                                                           ^T Execute
                                                                           ^C Location
^G Help
                                            ^U Paste
^X Exit
                                                            ^J Justify
                                                                           ^/ Go To Line
```

```
tejal@Tejal-VirtualBox:~$ nano tejalscript.sh
tejal@Tejal-VirtualBox:~$ ./tejalscript.sh
Hello World :)
tejal@Tejal-VirtualBox:~$ nano tejalscript.sh
tejal@Tejal-VirtualBox:~$ ./tejalscript.sh
Hello World :)
My current working directory is:
/home/tejal
tejal@Tejal-VirtualBox:~$
```

```
tejal@Tejal-VirtualBox:~$ myMIS="112103060"
tejal@Tejal-VirtualBox:~$ echo $myMIS
112103060
tejal@Tejal-VirtualBox:~$
```

```
GNU nano 6.2
                                   tejalscript.sh *
#!/bin/bash
myname="Tejal"
myage="20"
mycollege="COEP"
echo "Hello! My name is $myname. "
echo "I am $myage yeaars old. "
cho "I study in $mycollege"
Save modified buffer?
 Y Yes
```

^C Cancel

No

tejal@Tejal-VirtualBox:~\$ nano tejalscript.sh tejal@Tejal-VirtualBox:~\$./tejalscript.sh Hello! My name is Tejal. I am 20 yeaars old. I study in COEP tejal@Tejal-VirtualBox:~\$

```
tejal@Tejal-VirtualBox:~$ files=$(ls)
tejal@Tejal-VirtualBox:~$ echo $files
add1.c add3.c add.c a.out archive.tar archive.zip ass7.c ass8.c Desktop Document
s Downloads DTL greet Music Pictures PPL Public SLL.c snap stack arr.c stackpr s
um1.c tejalscript.sh Templates textcmpr1 textcmpr1.txt textcmpr2.txt Videos
tejal@Tejal-VirtualBox:~$
```

```
tejal@Tejal-VirtualBox:~$ expr 5 + 3
tejal@Tejal-VirtualBox:~$ expr 5 \ 3
expr: syntax error: unexpected argument ' 3'
tejal@Tejal-VirtualBox:~$ expr 5 / 3
tejal@Tejal-VirtualBox:~$
```

```
if.sh
  GNU nano 6.2
#!/bin/bash
mynum=5
if [ $mynum -eq 5]
then
          echo "True"
                [ Read 9 lines ]
^O Write Out ^W Where Is ^K Cut
^R Read File ^\ Replace ^U Paste
^G Help
                                                                 ^T Execute
                                                                                 ^C Location
                                                                 ^J Justify
                                                                                 ^/ Go To Line
^X Exit
```

```
if.sh *
  GNU nano 6.2
#!/bin/bash
mynum=5
if [ $mynum -eq 5 ]
then
         echo "True"
               ^O Write Out ^W Where Is ^K Cut ^R Read File ^\ Replace ^U Paste
^G Help
                                                            ^T Execute
                                                                           ^C Location
                                                            ^J Justify
                                                                           ^/ Go To Line
^X Exit
```

```
tejal@Tejal-VirtualBox:~$ nano if.sh
tejal@Tejal-VirtualBox:~$ nano if.sh
tejal@Tejal-VirtualBox:~$ sudo chmod +x if.sh
[sudo] password for tejal:
tejal@Tejal-VirtualBox:~$ ./if.sh
./if.sh: line 5: [: missing `]'
tejal@Tejal-VirtualBox:~$ nano if.sh
tejal@Tejal-VirtualBox:~$ ./if.sh
True
tejal@Tejal-VirtualBox:~$
```

```
ifelse.sh *
 GNU nano 6.2
#!/bin/bash
mynum=4
if [ $mynum -gt 3 ]
then
   echo "$mynum is greater than 3"
else
   echo "$mynum is less than 3 "
           ^T Execute
                                                        ^C Location
^G Help
           ^R Read File ^\ Replace
^X Exit
                                 ^U Paste
                                             ^J Justify
                                                        ^/ Go To Line
```

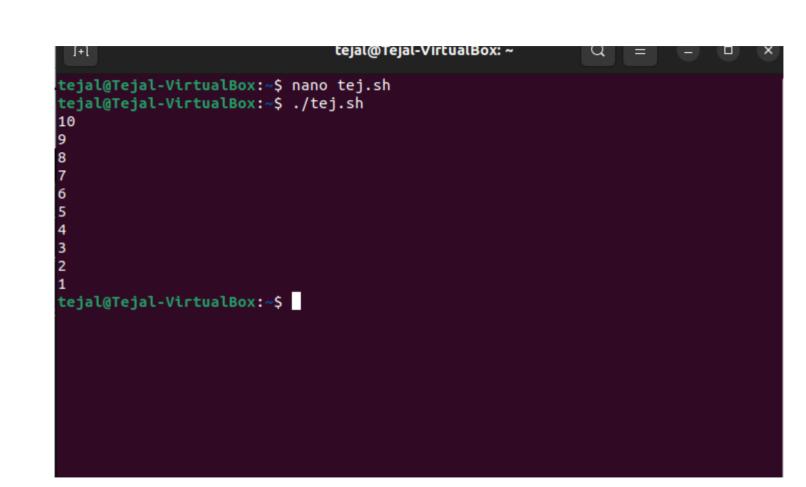
```
tejal@Tejal-VirtualBox:~$ sudo chmod +x ifelse.sh
tejal@Tejal-VirtualBox:~$ ./ifelse.sh
4 is greater than 3 tejal@Tejal-VirtualBox:~$
```

```
if [ -f ~/myfile ]
then
   echo "tHE FILE EXISTS"
else
    echo "The file does not exist"
             [ Read 10 lines ]
^O Write Out ^W Where Is ^K Cut
^G Help
                                                       ^T Execute
                                                                     ^C Location
```

```
dowhile.sh *
 GNU nano 6.2
while [ -f ~/testfile ]
do
    echo "As of $(date), the testfile exists"
done
echo "As of $(date), the test file has gone missing."
```

```
tejal@Tejal-VirtualBox:~$ ./dowhile.sh
As of Monday 06 February 2023 11:47:34 AM IST, the test file has gone missing.
tejal@Tejal-VirtualBox:~$
```

```
GNU nano 6.2
                                           tej.sh
myvar=10
while [ $myvar -ge 1 ]
do
    myvar=$(( $myvar -1 ))
              [ Read 12 lines ]
^O Write Out ^W Where Is ^K Cut
^G Help
                                                         ^T Execute
                                                                       ^C Location
```



```
GNU nano 6.2
for (( i = 1; i <= 5; i++ ))
                                             loop.sh
    for (( j = 1 ; j <= $i; j++ ))
done
```

```
tejal@Tejal-VirtualBox:~$ ./loop.sh
tejal@Tejal-VirtualBox:~$
```