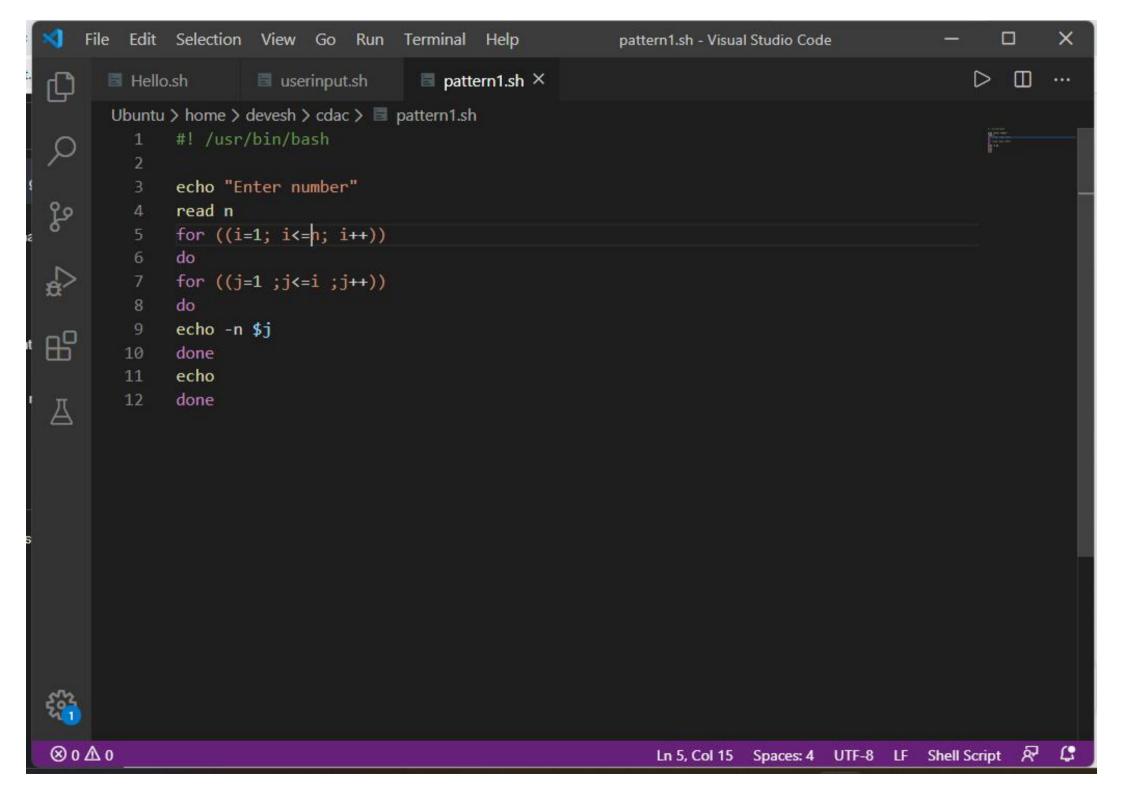
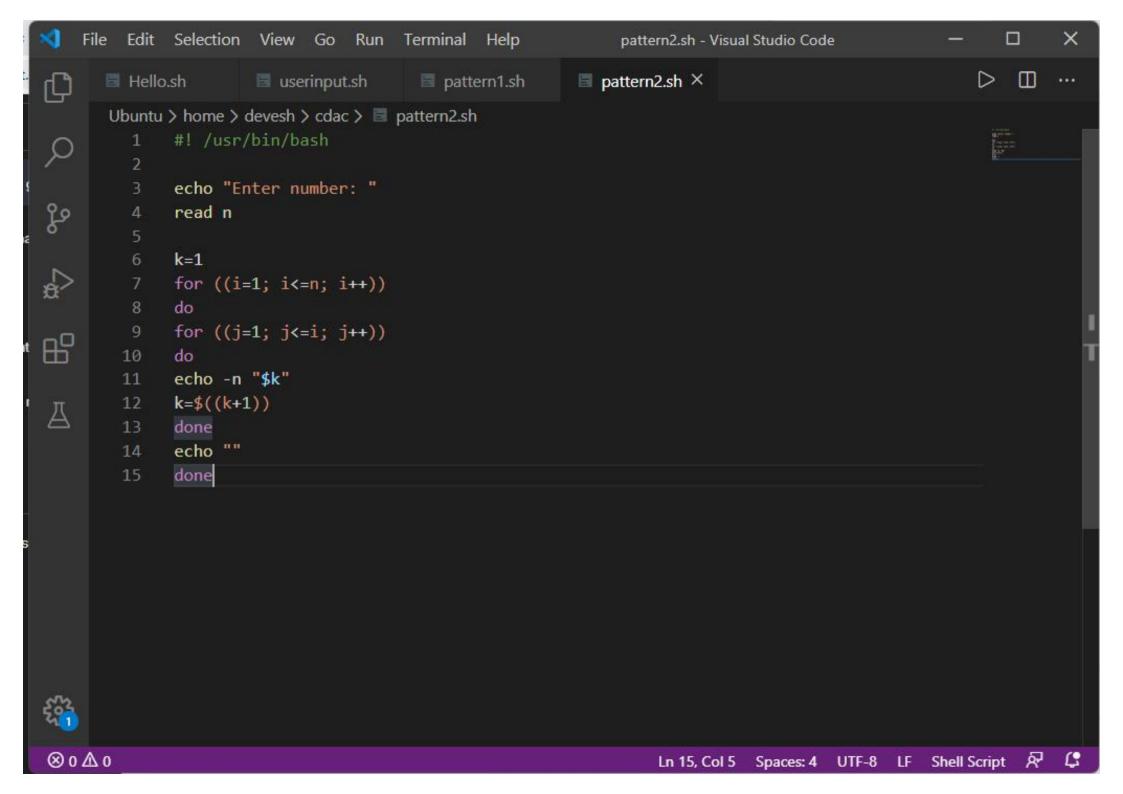
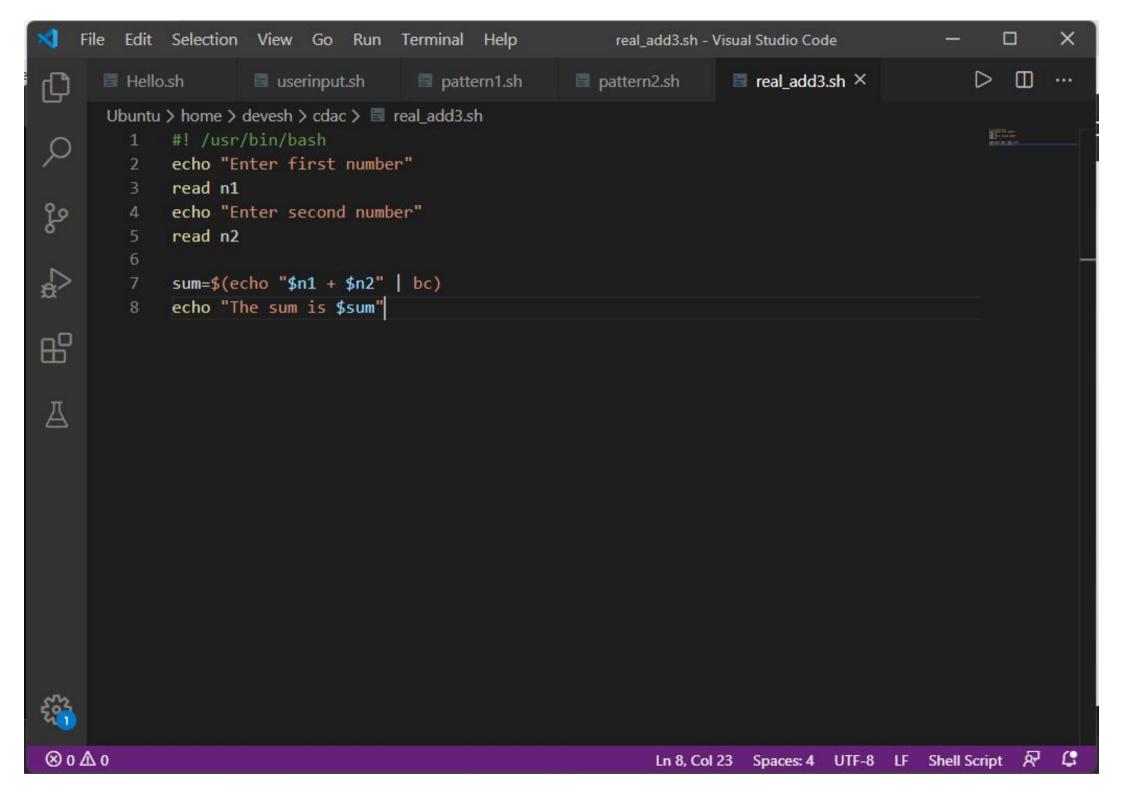
```
devesh@Dev: ~/cdac
devesh@Dev:~$ cat /etc/shells
# /etc/shells: valid login shells
/bin/sh
/bin/bash
/usr/bin/bash
/bin/rbash
/usr/bin/rbash
/usr/bin/sh
/bin/dash
/usr/bin/dash
/usr/bin/tmux
/usr/bin/screen
devesh@Dev:~$ which bash
/usr/bin/bash
devesh@Dev:~$ cd Desktop
-bash: cd: Desktop: No such file or directory
devesh@Dev:~$ ls
archive.tgz cdac dev1.txt dev2.txt dev3.txt dir1 dir2 dir3 dir4 newone.tar
devesh@Dev:~$ cd cdac
devesh@Dev:~/cdac$ touch Hello.sh
devesh@Dev:~/cdac$ ls -al
total 8
drwxr-xr-x 2 devesh devesh 4096 Apr 19 13:30 .
drwxr-x--- 10 devesh devesh 4096 Apr 18 16:39 ...
-rw-r--r-- 1 devesh devesh 0 Apr 19 13:30 Hello.sh
-rw-r--r-- 1 devesh devesh
                              0 Apr 13 12:24 sub.txt
```



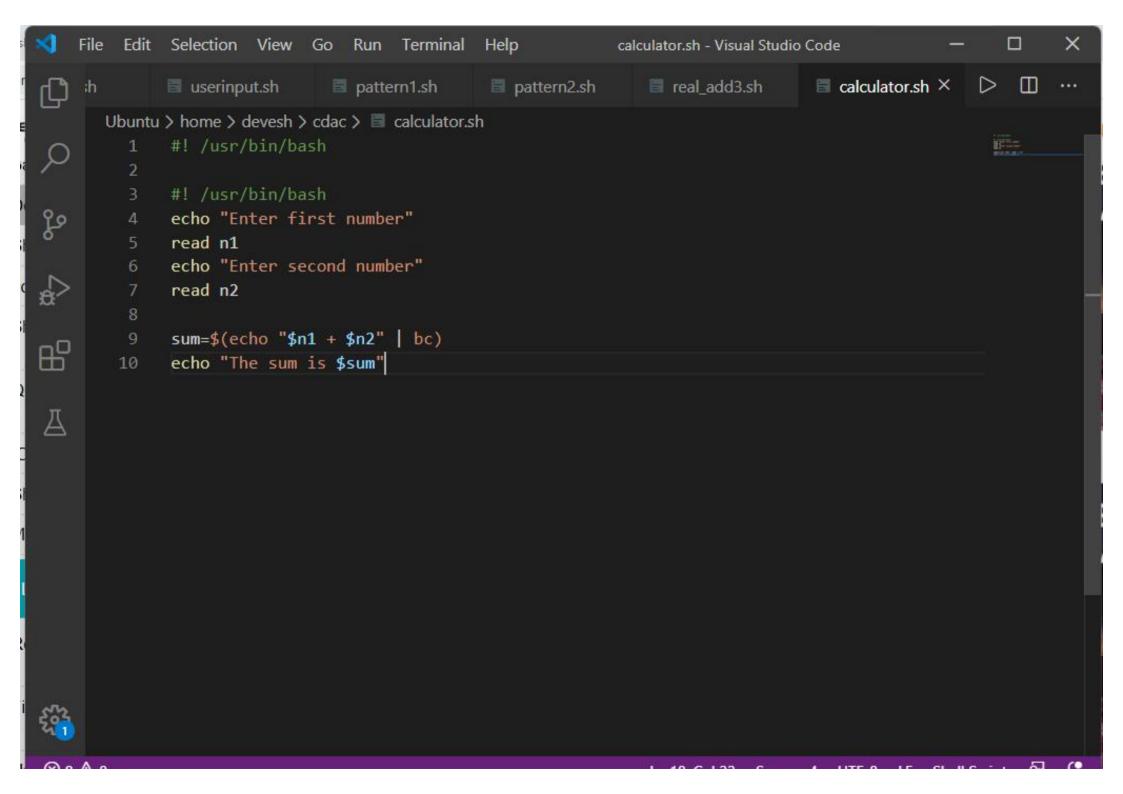
```
devesh@Dev:~/cdac$ ./pattern1.sh
Enter number
6
1
12
123
1234
12345
12345
devesh@Dev:~/cdac$
```

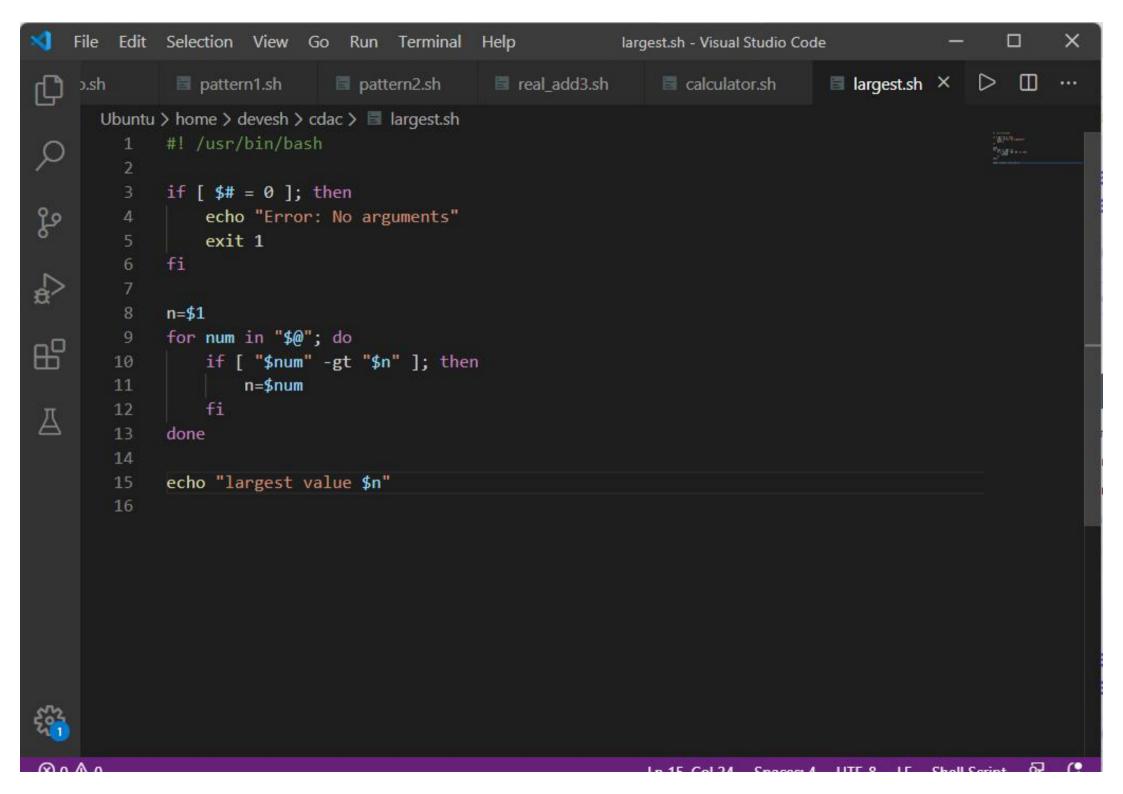


```
devesh@Dev:~/cdac$ ./pattern2.sh
Enter number:
3
1
23
456
devesh@Dev:~/cdac$
```

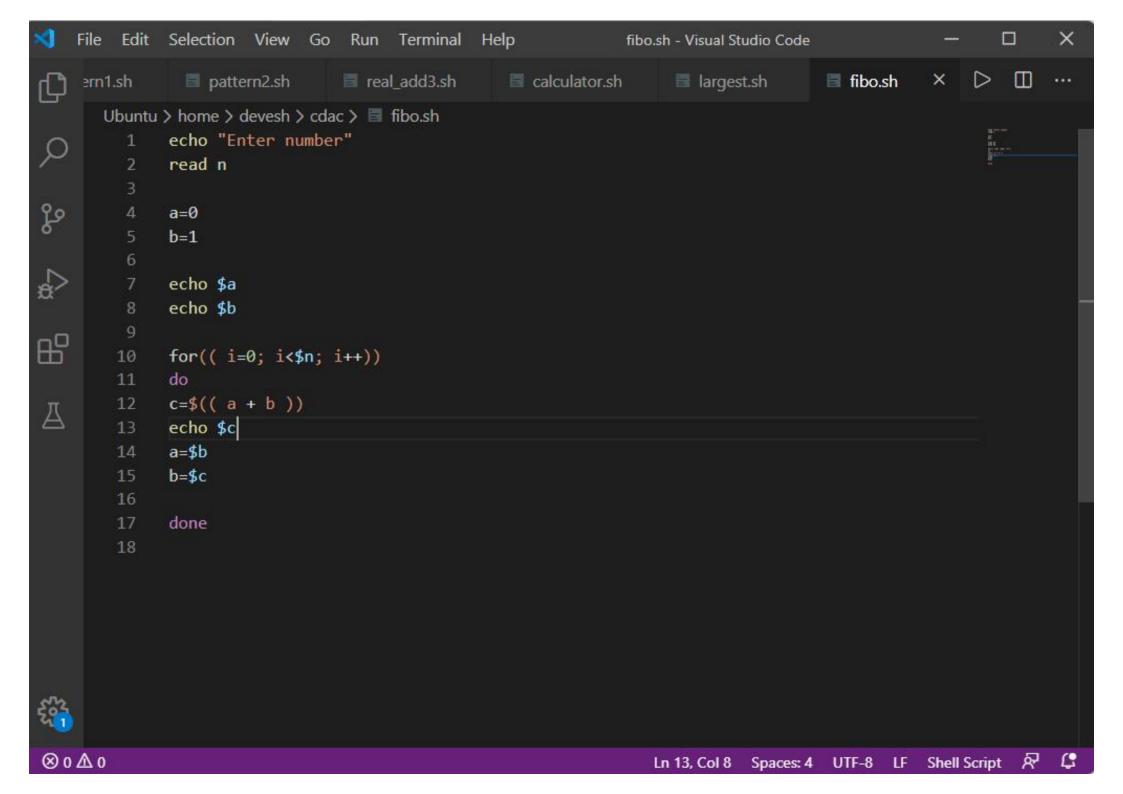


```
devesh@Dev:~/cdac$ ./real_add3.sh
Enter first number
4.28
Enter second number
1.21
The sum is 5.49
devesh@Dev:~/cdac$
```





```
devesh@Dev:~/cdac$ ./largest.sh 1 3 8
The largest value is 8
devesh@Dev:~/cdac$ ./largest.sh 1 3 8 6 5 7 9 2
largest value 9
devesh@Dev:~/cdac$
```

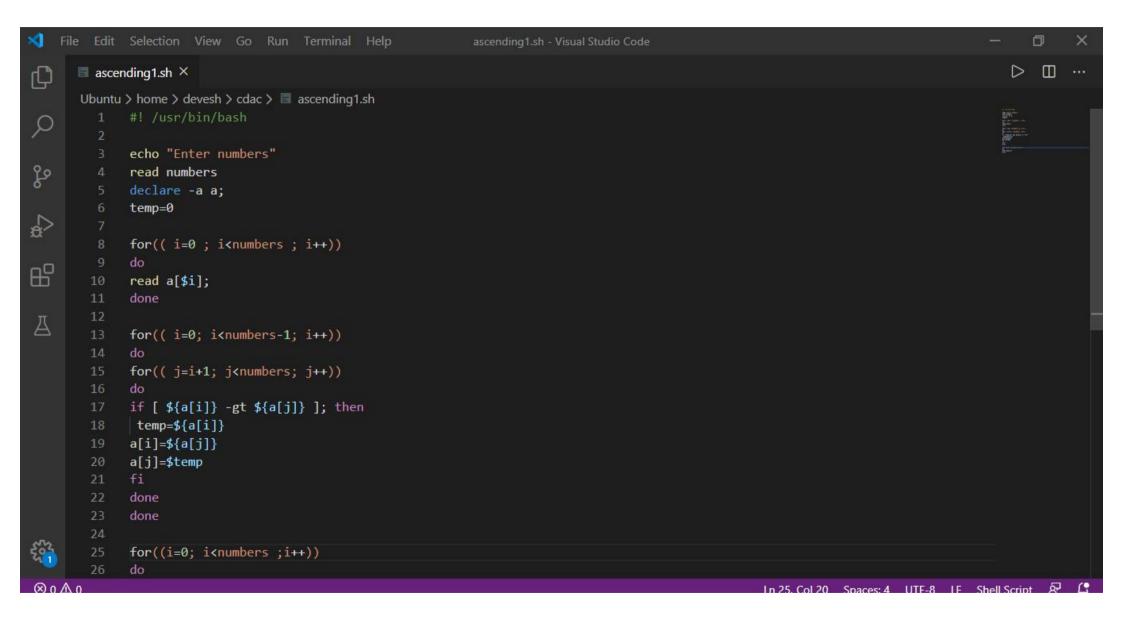


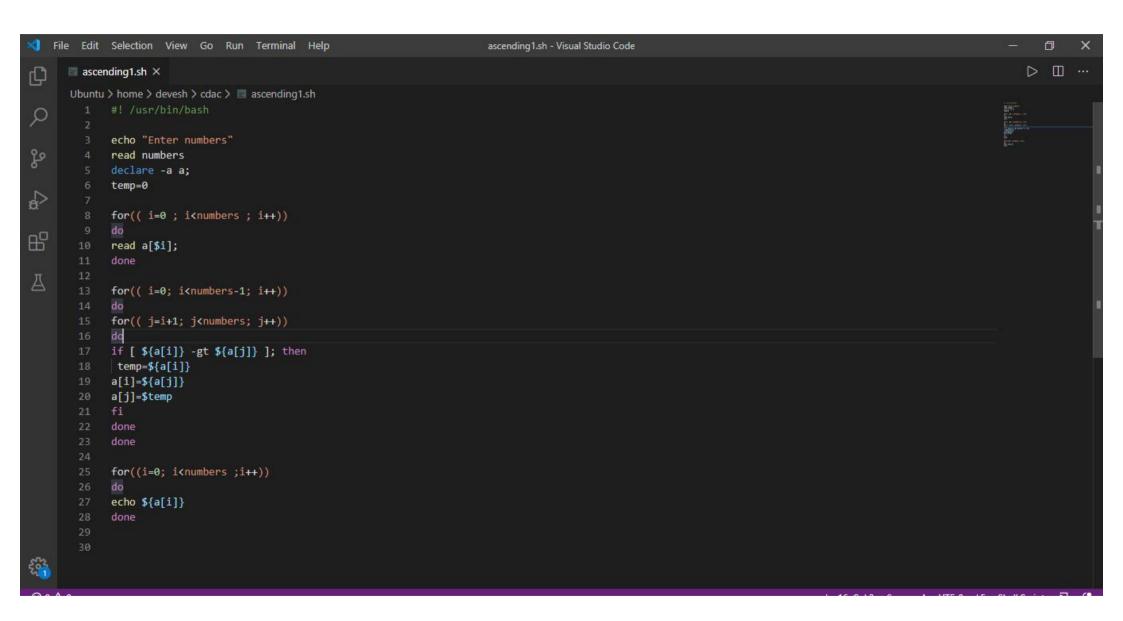
```
File
         Edit
              Selection
                        View
                              Go
                                           reverse.sh - Visual S...
                               reverse.sh ×
              fibo.sh
                                               reverse1.sh
      Ubuntu > home > devesh > cdac > ■ reverse.sh
              #! /usr/bin/bash
              echo "Enter a number"
         4
              read number
              reverse=0
              while [ $number -gt 0 ]; do
                n1=$((number % 10))
                reverse=$((reverse * 10 + n1))
        10
                number=$((number / 10))
        11
        12
              done
Д
        13
        14
              echo $reverse
                            Ln 9. Col 21 Spaces: 4 UTF-8 LF Shell Script 🔊 🚨
```

```
devesh@Dev:~/cdac$ ./reverse.sh
Enter a number
278936
639872
devesh@Dev:~/cdac$
```

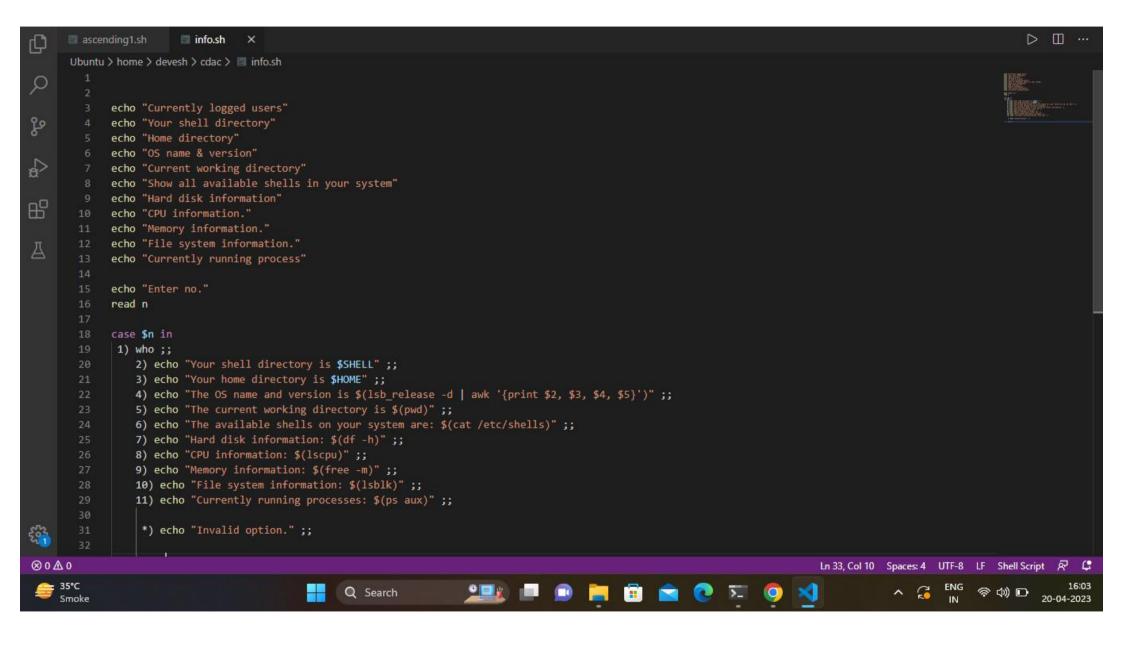
```
File
         Edit
               Selection View
                               Go
                                           operator1.sh - Visual ...
                             operator.sh
                                               operator1.sh ×
            reverse.sh
       Ubuntu > home > devesh > cdac > ■ operator1.sh
               echo "Enter operator and number"
               read n
               read op
               result=0
               while [ $n -gt 0 ]; do
出
         10
                 digit=$((n % 10))
         11
         12
                result=$((result $op digit))
         13
         14
                 n=$((n / 10))
         15
                 done
         16
         17
               echo $result
         18
                            Ln 18, Col 13 Spaces: 4 UTF-8 LF Shell Script ター は
⊗ 0 A 0
```

```
devesh@Dev:~/cdac$ ./operator1.sh
Enter operator and number
123
+
6
devesh@Dev:~/cdac$
```

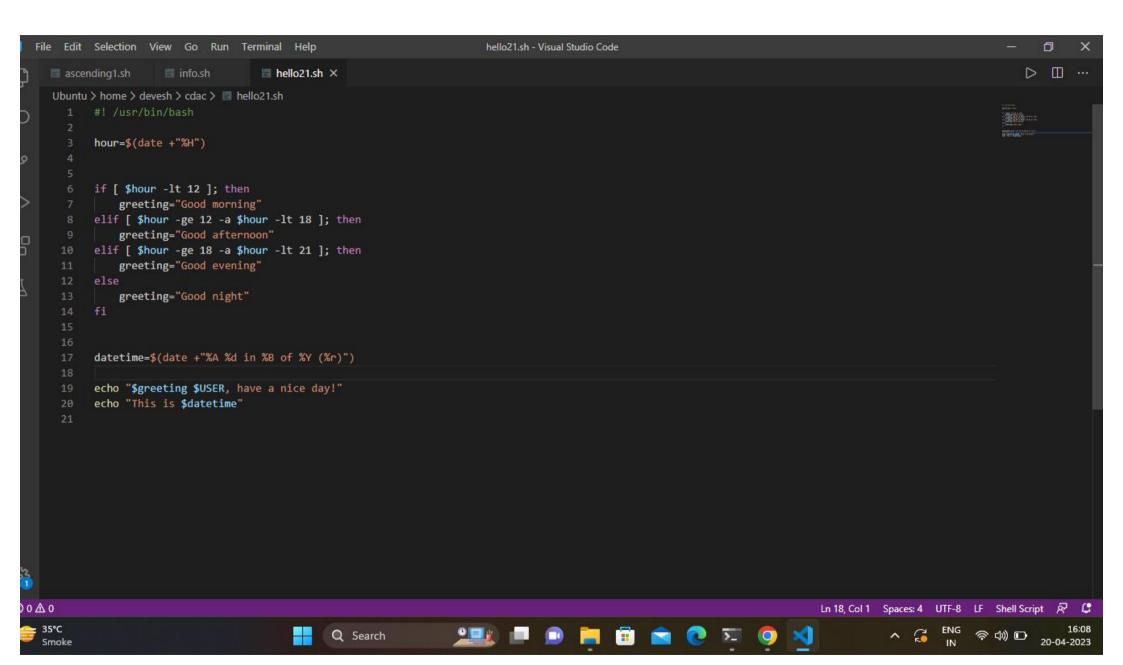




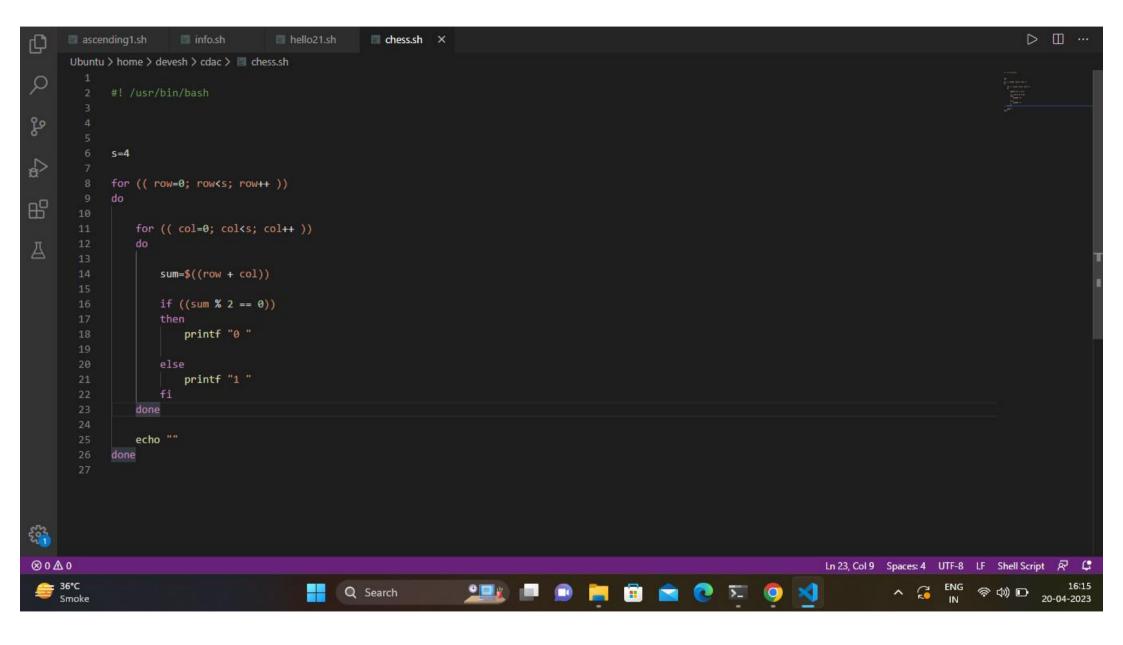
```
devesh@Dev:~/cdac$ ./ascending1.sh
Enter numbers
5
50
40
30
20
10
devesh@Dev:~/cdac$ ./ascending1.sh
Enter numbers
5
50
40
30
20
10
10
20
30
40
50
devesh@Dev:~/cdac$
```



```
devesh@Dev:~/cdac$ ./info.sh
Currently logged users
Your shell directory
Home directory
OS name & version
Current working directory
Show all available shells in your system
Hard disk information
CPU information.
Memory information.
File system information.
Currently running process
Enter no.
Ш
The OS name and version is Ubuntu 22.04.2 LTS
devesh@Dev:~/cdac$
```



```
devesh@Dev:~/cdac$ ./hello21.sh
Good afternoon devesh, have a nice day!
This is Thursday 20 in April of 2023 (04:08:17 PM)
devesh@Dev:~/cdac$
```



```
×
 devesh@Dev: ~/cdac
                                                   \times + \vee
                        ×
                            devesh@Dev: ~/cdac
devesh@Dev:~/cdac$ chmod +x info.sh
devesh@Dev:~/cdac$ ./info.sh
Currently logged users
Your shell directory
Home directory
OS name & version
Current working directory
Show all available shells in your system
Hard disk information
CPU information.
Memory information.
File system information.
Currently running process
Enter no.
The OS name and version is Ubuntu 22.04.2 LTS
devesh@Dev:~/cdac$ touch hello21.sh
devesh@Dev:~/cdac$ chmod +x hello21.sh
devesh@Dev:~/cdac$ ./hello21.sh
Good afternoon devesh, have a nice day!
This is Thursday 20 in April of 2023 (04:08:17 PM)
devesh@Dev:~/cdac$ touch chess.sh
devesh@Dev:~/cdac$ chmod +x chess.sh
devesh@Dev:~/cdac$ ./chess.sh
0 1 0 1
1010
0 1 0 1
1 0 1 0
devesh@Dev:~/cdac$
```