

Activities Terminal Oct 12 15:48

Open ifdemo.sh positive.sh largest.sh if.sh

```
1 for i in {1..10..2}
2 do
3   echo $i
4 done
```

abhinav@abhinav-virtual-machine: ~

```
line number 1
line number 2
line number 3
line number 4
abhinav@abhinav-virtual-machine:~$ 11
11: command not found
abhinav@abhinav-virtual-machine:~$ sh for1.sh
welcome 1 times
welcome 2 times
welcome 3 times
welcome 4 times
welcome 5 times
abhinav@abhinav-virtual-machine:~$ sh if.sh
if.sh: 1: i: not found
if.sh: 2: Syntax error: "do" unexpected
abhinav@abhinav-virtual-machine:~$ sh if.sh
if.sh: 1: i: not found
if.sh: 2: Syntax error: "do" unexpected
abhinav@abhinav-virtual-machine:~$ sh if.sh
{1..10..2}
abhinav@abhinav-virtual-machine:~$
```

sh Tab Width: 8 Ln 1, Col 5 INS

[illegible]

```
abhinav@abhinav-virtual-machine: ~  
abhinav@abhinav-virtual-machine:~$ sh table.sh  
print table  
input number  
50  
50  
100  
150  
200  
250  
300  
350  
400  
450  
500  
abhinav@abhinav-virtual-machine:~$
```

```
Activities Terminal Oct 7 15:48 abhinav@abhinav-virtual-machine:~  
abhinav@abhinav-virtual-machine:~$ rm file1  
abhinav@abhinav-virtual-machine:~$ ls  
aakash Desktop Documents Downloads Music Pictures Public snap student Templates Videos  
abhinav@abhinav-virtual-machine:~$ cat>akash  
hellodabhinav@abhinav-virtual-machine:~$ ls  
aakash akash Desktop Documents Downloads Music Pictures Public snap student Templates Videos  
abhinav@abhinav-virtual-machine:~$ cat>akash1  
goodabhinav@abhinav-virtual-machine:~$ ls  
aakash akash akash1 Desktop Documents Downloads Music Pictures Public snap student Templates Videos  
abhinav@abhinav-virtual-machine:~$ mv akash akash1  
abhinav@abhinav-virtual-machine:~$ cat akash1  
hellodabhinav@abhinav-virtual-machine:~$ ls  
aakash akash1 Desktop Documents Downloads Music Pictures Public snap student Templates Videos  
abhinav@abhinav-virtual-machine:~$ file akash  
akash: cannot open 'akash' (No such file or directory)  
abhinav@abhinav-virtual-machine:~$ file akash1  
akash1: ASCII text, with no line terminators  
abhinav@abhinav-virtual-machine:~$ file aakash  
aakash: directory  
abhinav@abhinav-virtual-machine:~$ wc akash1  
0 1 0 akash1  
abhinav@abhinav-virtual-machine:~$ od akash1  
0000000 062550 066154 062157  
0000006  
abhinav@abhinav-virtual-machine:~$ cat>akash  
hellod  
morningabhinav@abhinav-virtual-machine:~$ cmp akash akash1  
cmp: EOF on akash1 after byte 6, in line 1  
abhinav@abhinav-virtual-machine:~$
```

```
Activities  Terminal  Oct 12 15:13  abhinav@abhinav-virtual-machine: ~  
abhinav@abhinav-virtual-machine:~$ sh ifdemo.sh  
read number11  
ifdemo.sh: 3: [: not found  
abhinav@abhinav-virtual-machine:~$ sh ifdemo.sh  
read number11  
ifdemo.sh: 3: [: not found  
abhinav@abhinav-virtual-machine:~$ sh ifdemo.sh  
read number11  
the variable is greater than 10  
abhinav@abhinav-virtual-machine:~$ sh ifdemo.sh  
read number22  
the variable is greater than 10  
abhinav@abhinav-virtual-machine:~$ sh ifdemo.sh  
read number1  
abhinav@abhinav-virtual-machine:~$ sh ifdemo.sh  
read number5  
the number is less than 10  
abhinav@abhinav-virtual-machine:~$ sh ifdemo.sh  
read number9  
the number is less then 10  
abhinav@abhinav-virtual-machine:~$
```

Activities

Text Editor

Oct 12 15:13

ifdemo.sh

Save

Open

```
1 echo -n "read number"
2 read var
3 if [ $var -gt 10 ]
4 then
5 echo "the variable is greater than 10"
6 else
7 echo "the number is less then 10"
8 fi
```

sh

Tab Width: 8

Ln 7, Col 30

INS

Activities Terminal Oct 12 15:43

forloop.sh

ifdemo.sh positive.sh

```
1 for a in 1 2 3 4 5 6 7 8 9 10
2 do
3 if [ $a -eq 5 ]
4 then
5 break
6 fi
7 echo "line number $a"
8 done
```

abhinav@abhinav-virtual-machine: ~

```
abhinav@abhinav-virtual-machine:~$ sh forloop.sh
line number 1
line number 2
line number 3
line number 4
abhinav@abhinav-virtual-machine:~$ sh forloop.sh
line number 1
line number 2
line number 3
line number 4
abhinav@abhinav-virtual-machine:~$ sh forloop.sh
line number 1
line number 2
line number 3
line number 4
abhinav@abhinav-virtual-machine:~$ 11
11: command not found
abhinav@abhinav-virtual-machine:~$
```

sh Tab Width: 8 Ln 8, Col 9 INS

ActivitiesTerminalOct 12 15:37

Open

largest.sh

ifdemo.sh

positive.sh

```
1 echo "enter number1"
2 read var1
3 echo "enter number2"
4 read var2
5 echo "enter number3"
6 read var3
7 if [ $var1 -ge $var2 ]
8 then
9   if [ $var1 -ge $var3 ]
10  then
11    echo "$var1 is the largest number"
12  else
13    echo "$var3 is the largest number"
14  fi
15 else
16   if [ $var2 -ge $var3 ]
17   then
18     echo "$var2 is the largest number"
19   else
20     echo "$var3 is the largest no."
21   fi
22 fi
23
```

abhinav@abhinav-virtual-machine: ~

abhinav@abhinav-virtual-machine:~\$ sh positive.sh

enter number

-1

-1 is negative

abhinav@abhinav-virtual-machine:~\$ sh largest.sh

enter number1

1

enter number2

2

enter number3

3

3 is the largest nuo.

abhinav@abhinav-virtual-machine:~\$ sh largest.sh

enter number1

23

enter number2

32

enter number3

54

54 is the largest no.

abhinav@abhinav-virtual-machine:~\$

sh Tab Width: 8 Ln 20, Col 34 INS



Activities Terminal Oct 12 16:05

Open while.sh Save

ifdemo.sh positive.sh largest.sh forloop.sh

```
1 a=0
2 while [ $a -lt 10 ]
3 do
4 echo $a
5 a=`expr $a + 1`
6 done
```

abhinav@abhinav-virtual-machine: ~

```
6
7
8
9
10
abhinav@abhinav-virtual-machine:~$ sh until.sh
sh: 0: cannot open until.sh: No such file
abhinav@abhinav-virtual-machine:~$ sh until.sh
sh: 0: cannot open until.sh: No such file
abhinav@abhinav-virtual-machine:~$ sh while.sh
0
1
2
3
4
5
6
7
8
9
abhinav@abhinav-virtual-machine:~$
```

sh Tab Width: 8 Ln 6, Col 5 INS

Activities Terminal Oct 12 16:33

Open val2.sh

ifdemo.sh positive.sh largest.sh forloop.sh for1.sh if.sh

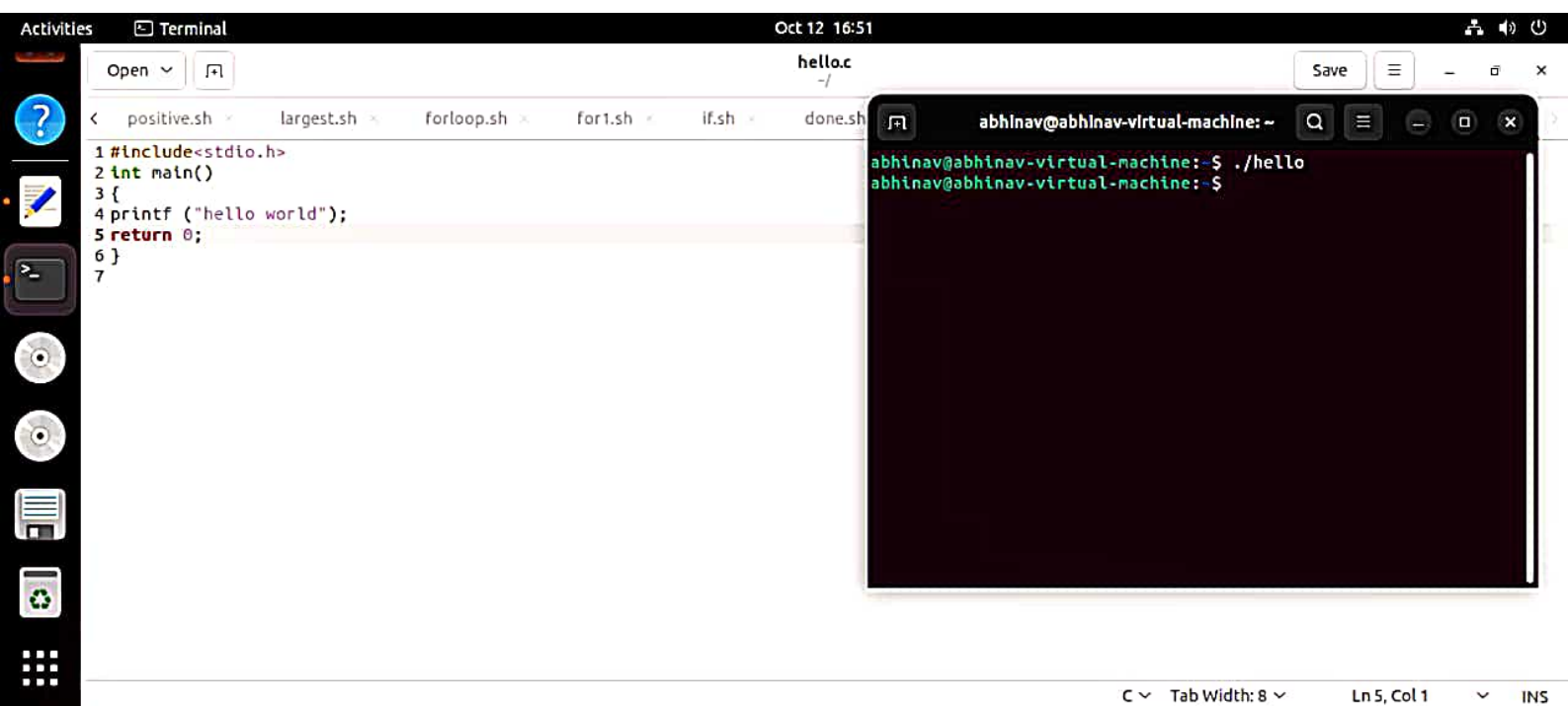
```
1 echo "enter a"
2 read a
3 echo "enter b"
4 read b
5 add=$((a+b))
6 echo "addition of a and b is $add"
7 sub=$((a-b))
8 echo "subtraction of a and b is $sub"
9 mul=$((a*b))
10 echo "multiplication of a and b is $mul"
11 div=$((a/b))
12 echo "division of a and b is $div"
13 mod=$((a%b))
14 echo "mod of a and b is $mod"
15
16
```

abhinav@abhinav-virtual-machine: ~

```
abhinav@abhinav-virtual-machine:~$ sh val.sh
a + b : 30
a - b : -10
val.sh: 7: [: Illegal number: 4b
a is not equal to b
abhinav@abhinav-virtual-machine:~$ sh val2.sh
enter a
1
enter b
3
addition of a and b is 4
subtraction of a and b is -2
multiplication of a and b is 3
division of a and b is 0
mod of a and b is 1
abhinav@abhinav-virtual-machine:~$
```

sh Tab Width: 8 Ln 15, Col 1 INS

```
Activities Terminal Oct 10 15:58 abhinav@abhinav-virtual-machine: ~  
-rw-rw-r-- 2 abhinav abhinav 4 Oct 7 16:19 new  
-rw-rw-r-- 1 abhinav abhinav 4 Oct 7 16:19 new3  
-rw-rw-r-- 1 abhinav abhinav 9 Oct 9 15:50 new.txt  
drwxr-xr-x 3 abhinav abhinav 4096 Oct 7 15:49 Pictures  
drwxr-xr-x 2 abhinav abhinav 4096 Sep 30 08:40 Public  
drwx----- 4 abhinav abhinav 4096 Oct 7 15:15 snap  
drwxrwxr-x 3 abhinav abhinav 4096 Oct 7 16:15 student  
-rw-rw-r-- 1 abhinav abhinav 12 Oct 7 15:54 student1  
drwxr-xr-x 2 abhinav abhinav 4096 Sep 30 08:40 Templates  
-rw-rw-r-- 1 abhinav abhinav 29 Oct 10 15:54 test2  
-rwxrwxr-- 1 abhinav abhinav 41 Oct 9 16:05 try  
-rw-rw-r-- 1 abhinav abhinav 38 Oct 9 16:08 try1  
-rw-rw-r-- 1 abhinav abhinav 602 Oct 7 16:48 typescript  
drwxr-xr-x 2 abhinav abhinav 4096 Sep 30 08:40 Videos  
abhinav@abhinav-virtual-machine:~$ chmod u+x test1  
chmod: cannot access 'test1': No such file or directory  
abhinav@abhinav-virtual-machine:~$ chmod u+x test2  
abhinav@abhinav-virtual-machine:~$ ./test2  
enter the number  
2  
abhinav@abhinav-virtual-machine:~$ cat>>test2  
echo $n  
abhinav@abhinav-virtual-machine:~$ ./test  
bash: ./test: No such file or directory  
abhinav@abhinav-virtual-machine:~$ ./test2  
enter the number  
4  
4  
abhinav@abhinav-virtual-machine:~$
```



Activities

Text Editor

Oct 12 15:28

positive.sh

Save

positive.sh

ifdemo.sh

positive.sh

1 echo "enter number"

2 read num

3 if [ \$num -gt 0 ]

4 then

5 echo "\$num is positive"

6 else

7 echo "\$num is negative"

8 fi

sh

Tab Width: 8

Ln 8, Col 4

INS

Activities Terminal Oct 12 15:45

Open for1.sh Save

ifdemo.sh positive.sh largest.s

```
1 for i in 1 2 3 4 5
2 do
3 echo "welcome $i times"
4 done
```

abhinav@abhinav-virtual-machine: ~

```
line number 3
line number 4
abhinav@abhinav-virtual-machine:~$ sh forloop.sh
line number 1
line number 2
line number 3
line number 4
abhinav@abhinav-virtual-machine:~$ sh forloop.sh
line number 1
line number 2
line number 3
line number 4
abhinav@abhinav-virtual-machine:~$ 11
11: command not found
abhinav@abhinav-virtual-machine:~$ sh for1.sh
welcome 1 times
welcome 2 times
welcome 3 times
welcome 4 times
welcome 5 times
abhinav@abhinav-virtual-machine:~$
```

sh Tab Width: 8 Ln 4, Col 5 INS

Activities Terminal Oct 12 15:56

Open done.sh Save

ifdemo.sh positive.sh largest.sh forlo

```
1 a=0
2 until [ $a -gt 10 ]
3 do
4   echo $a
5   a=`expr $a + 1`
6 done
```

abhinav@abhinav-virtual-machine: ~

```
abhinav@abhinav-virtual-machine:~$ sh done.sh
abhinav@abhinav-virtual-machine:~$ sh done.sh
abhinav@abhinav-virtual-machine:~$ sh done.sh
abhinav@abhinav-virtual-machine:~$ sh done.sh
abhinav@abhinav-virtual-machine:~$ sh done.sh
abhinav@abhinav-virtual-machine:~$ sh done.sh
abhinav@abhinav-virtual-machine:~$ sh done.sh
abhinav@abhinav-virtual-machine:~$ sh done.sh
0
1
2
3
4
5
6
7
8
9
10
abhinav@abhinav-virtual-machine:~$
```

sh Tab Width: 8 Ln 2, Col 14 INS

Activities Terminal Oct 12 15:59

Open done.sh Save

ifdemo.sh positive.sh largest.sh forlo

```
1 a=0
2 until [ $a -gt 10 ]
3 do
4   echo $a
5   a=`expr $a + 1`
6 done
```

abhinav@abhinav-virtual-machine: ~

```
3
4
5
6
7
8
9
10
abhinav@abhinav-virtual-machine:~$ sh done.sh
0
1
2
3
4
5
6
7
8
9
10
abhinav@abhinav-virtual-machine:~$
```

sh Tab Width: 8 Ln 1, Col 4 INS



Activities Terminal Oct 14 11:39

Open akash3.sh Save

casedemo.sh akash3.sh

```
1 echo "enter first string"
2 read str1
3 echo "enter second string"
4 read str2
5 if [ $str1 = $str2 ]
6 then
7 echo "the string is identical"
8 else
9 echo "the string is not identical"
10 fi
```

abhinav@abhinav-virtual-machine: ~

```
abhinav@abhinav-virtual-machine:~$ sh akash3.sh
enter first string
4
enter second string
str2: No such file or directory
5
?
^Z
[1]+  Stopped                  sh akash3.sh
abhinav@abhinav-virtual-machine:~$ sh akash3.sh
enter first string
5
enter second string
str2: No such file or directory
^[[A^[[A^[[A^[[A^[[A^Z
[2]+  Stopped                  sh akash3.sh
abhinav@abhinav-virtual-machine:~$ sh akash3.sh
enter first string
5
enter second string
5
the string is identical
abhinav@abhinav-virtual-machine:~$
```

Activities Terminal Oct 14 11:12

casedemo.sh

Open

table.sh while1.sh \*until.sh casedemo.sh

```
1 echo "enter the numbers"
2 read a b
3 echo "select any one option"
4 echo "A. Addition"
5 echo "B. Subtraction"
6 echo "C. Multiplication"
7 echo "D. Division"
8 echo "E. Exit"
9 echo "enter your option"
10 read ch
11 case $ch in
12 A | a) c=`expr $a + $b`
13 echo Addition is $c ;;
14 B | b) c=`expr $a - $b`
15 echo subtraction is $c ;;
16 C | c) c=`expr $a \* $b`
17 echo multiplication is $c ;;
18 D | d) c=`expr $a / $b`
19 echo division is $c ;;
20 E | e)exit ;;
21 *) echo "sorry wrong option";;
22 esac
```

abhinav@abhinav-virtual-machine: ~

enter the numbers  
56 45  
select any one option  
A. Addition  
B. Subtraction  
C. Multiplication  
D. Division  
E. Exit  
enter your option  
D  
division is 1  
abhinav@abhinav-virtual-machine:~\$ sh casedemo.sh  
enter the numbers  
56 78  
select any one option  
A. Addition  
B. Subtraction  
C. Multiplication  
D. Division  
E. Exit  
enter your option  
C  
multiplication is 4368  
abhinav@abhinav-virtual-machine:~\$

Activities    Terminal    Oct 14 10:52

Open    while1.sh

Save    while1.sh

table.sh

while1.sh

```
1 i=1
2 sum=0
3 while [ $i -le 10 ]
4 do
5     echo $i
6     sum=`expr $sum + $i`
7     i=`expr $i + 1`
8 done
9 echo the sum is= $sum
```

```
abhinav@abhinav-virtual-machine: ~
6
while1.sh: 6: sum6: not found
7
while1.sh: 6: sum7: not found
8
while1.sh: 6: sum8: not found
9
while1.sh: 6: sum9: not found
10
while1.sh: 6: sum10: not found
the sum is= 0
abhinav@abhinav-virtual-machine:~$ sh while1.sh
1
2
3
4
5
6
7
8
9
10
the sum is= 55
abhinav@abhinav-virtual-machine:~$
```

Activities Terminal Oct 14 11:09

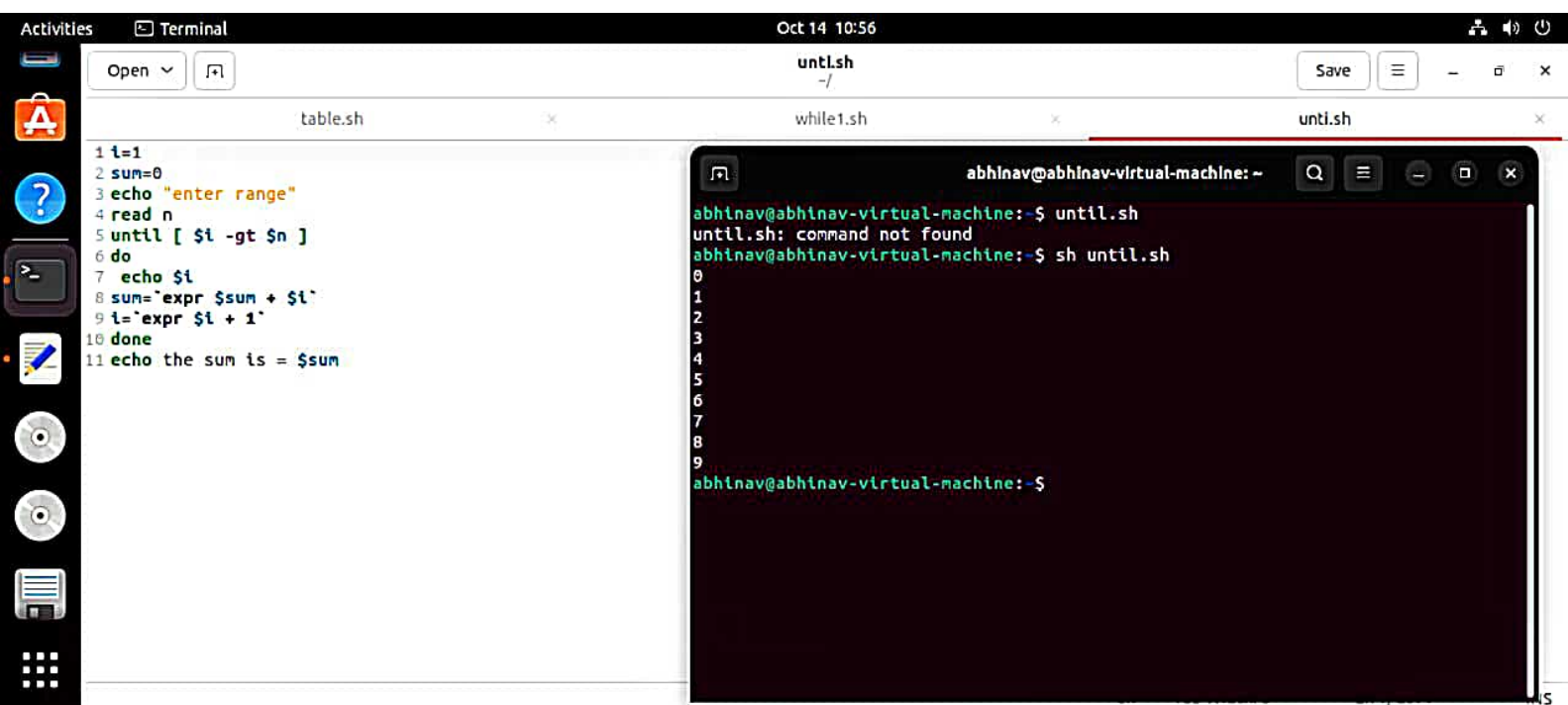
casedemo.sh -/ Save

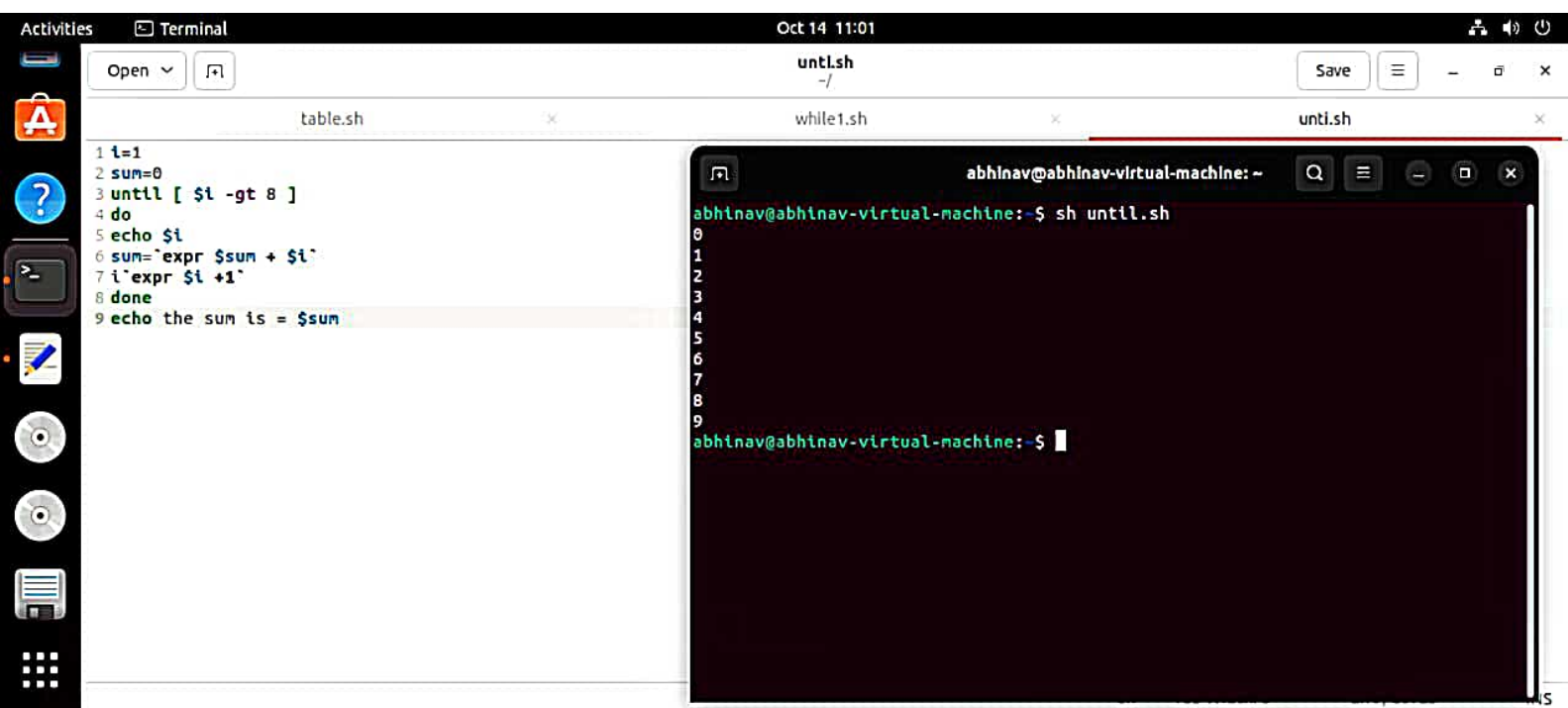
table.sh while1.sh \*untl.sh casedemo.sh

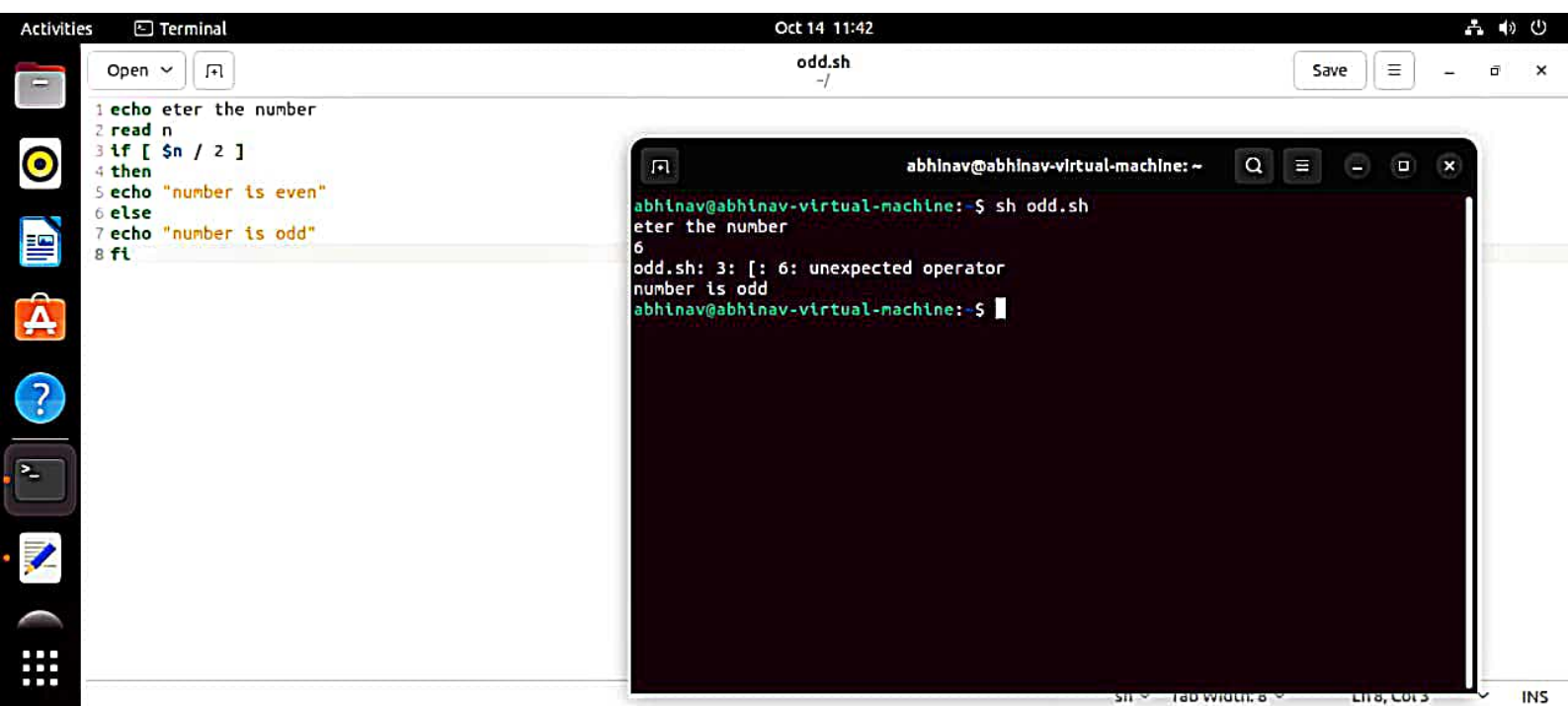
```
1 echo "enter the numbers"
2 read a b
3 echo "select any one option"
4 echo "A. Addition"
5 echo "B. Subtraction"
6 echo "C. Multiplication"
7 echo "D. Division"
8 echo "E. Exit"
9 echo "enter your option"
10 read ch
11 case $ch in
12 A | a) c=`expr $a + $b`
13 echo Addition is $c ;;
14 B | b) c=`expr $a - $b`
15 echo subtraction is $c ;;
16 C | c) c=`expr $a \* $b`
17 echo multiplication is $c ;;
18 D | d) c=`expr $a / $b`
19 echo division is $c ;;
20 E | e)exit ;;
21 *) echo "sorry wrong option";;
22 esac
```

abhinav@abhinav-virtual-machine: ~

```
abhinav@abhinav-virtual-machine:~$ sh casedemo.sh
enter the numbers
56 45
select any one option
A. Addition
B. Subtraction
C. Multiplication
D. Division
E. Exit
enter your option
D
division is 1
abhinav@abhinav-virtual-machine:~$
```







Activities Terminal Oct 12 16:06

while.sh

ifdemo.sh positive.sh largest.sh forloop.sh

```
1 a=0
2 while [ $a -lt 1000 ]
3 do
4 echo $a
5 a=`expr $a + 1`
6 done
```

abhinav@abhinav-virtual-machine: ~

980  
981  
982  
983  
984  
985  
986  
987  
988  
989  
990  
991  
992  
993  
994  
995  
996  
997  
998  
999  
abhinav@abhinav-virtual-machine: ~\$

sh Tab Width: 8 Ln 2, Col 19 INS