MUHAMMAD AYAZ HASAN

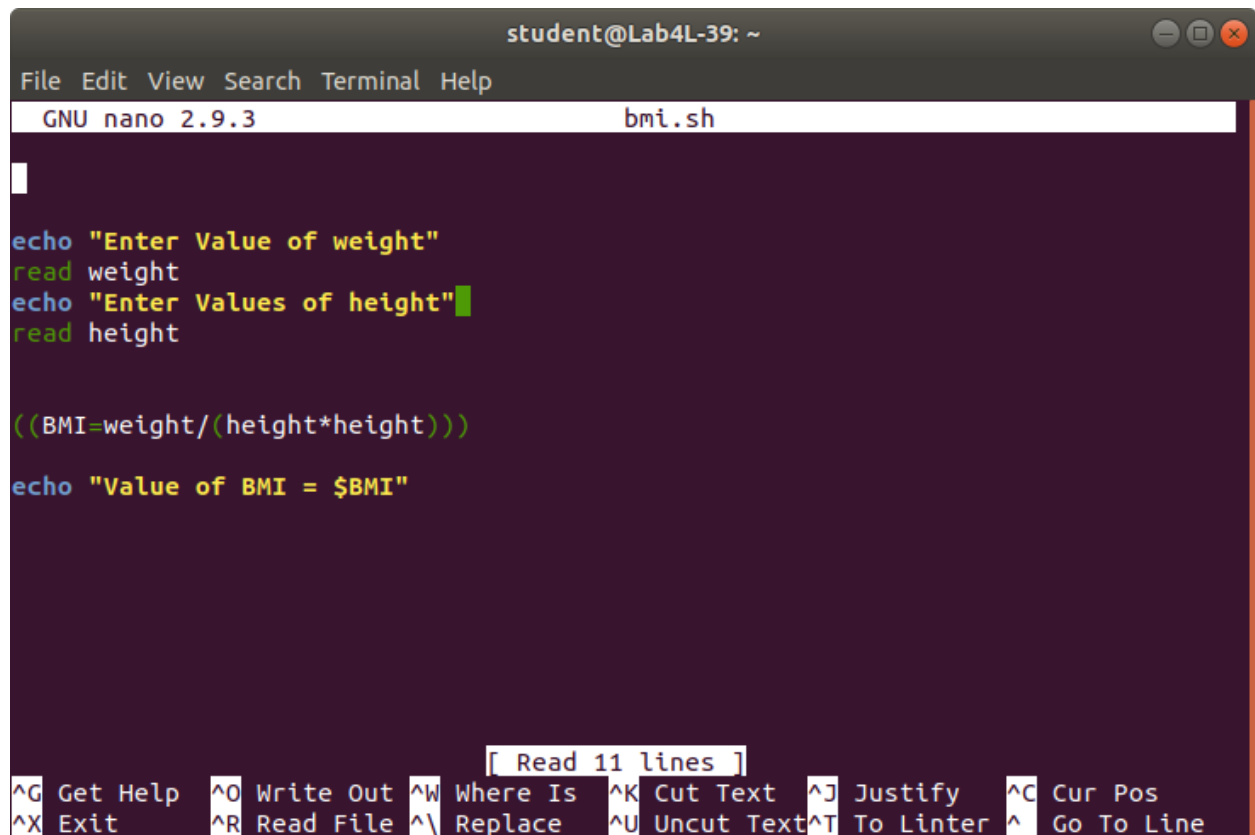**20K-1044**

SE-5A

LAB 4

BMI
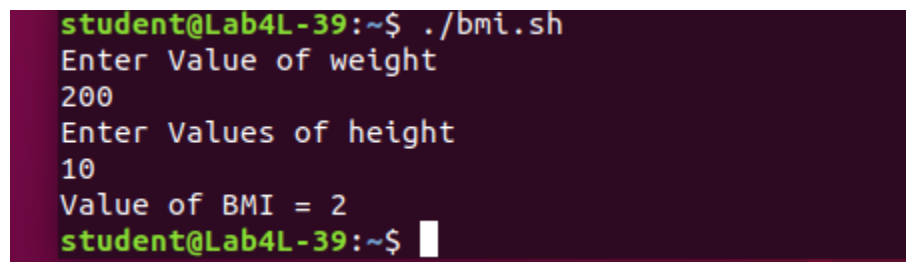
```
                              student@Lab4L-39: ~

 File  Edit  View  Search  Terminal  Help
  GNU nano 2.9.3                        bmi.sh


echo "Enter Value of weight"
read weight
echo "Enter Values of height"
read height


((BMI=weight/(height*height)))

echo "Value of BMI = $BMI"




                              [ Read 11 lines ]
^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 Linter ^_ Go To Line
```
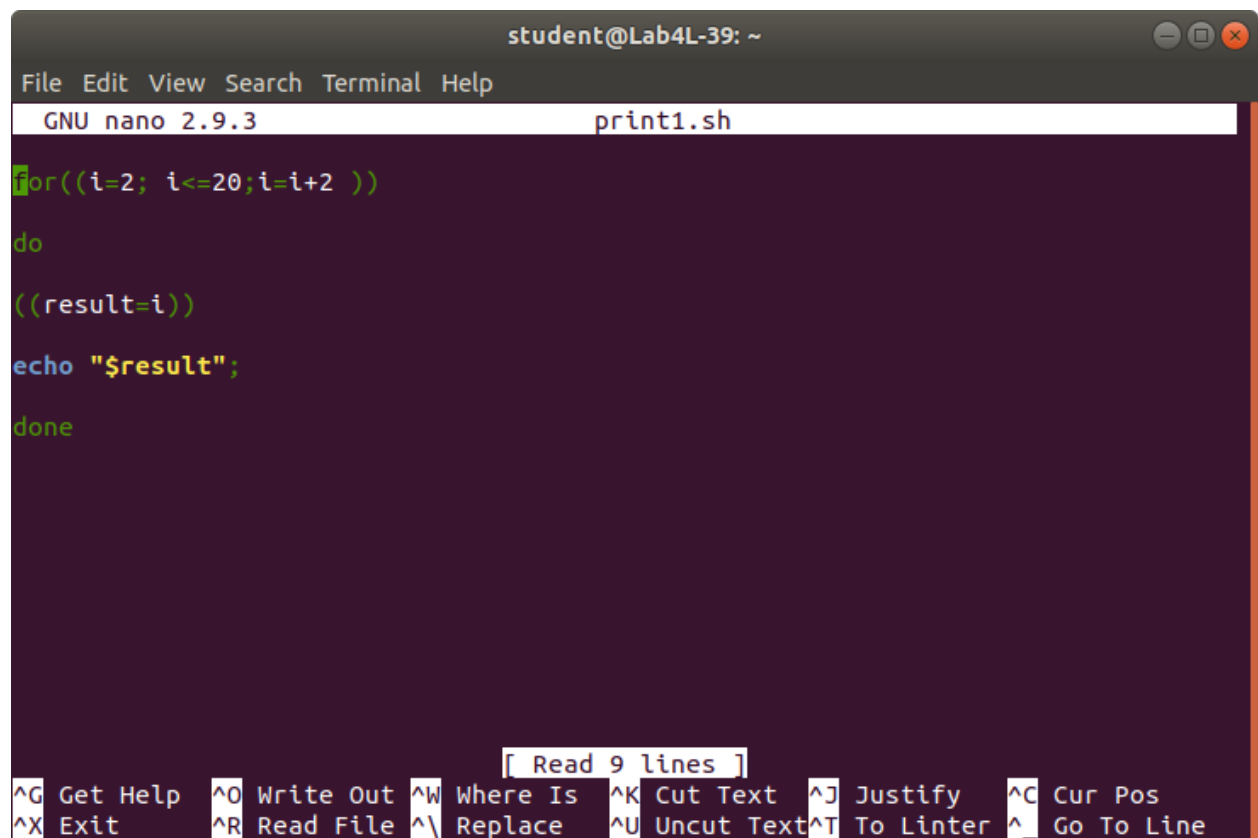
```
student@Lab4L-39:~$ ./bmi.sh
Enter Value of weight
200
Enter Values of height
10
Value of BMI = 2
student@Lab4L-39:~$
```

Print Table


```
  GNU nano 2.9.3                          print1.sh

for((i=2; i<=20;i=i+2 ))

do

((result=i))

echo "$result";

done
```

```
                        [ Read 9 lines ]
^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 Linter ^_ Go To Line
```

```
student@Lab4L-39:~$ ./print1.sh
2
4
6
8
10
12
14
16
18
20
student@Lab4L-39:~$
```

Area Of Circle

```
student@Lab4L-39: ~

File  Edit  View  Search  Terminal  Help
  GNU nano 2.9.3                        area.sh

areaofcircle()

{
pie=3

((Area=pie*(r*r)))

}
echo "enter radius"
read r
areaofcircle r

echo "Area of circle is $Area"




                    [ Read 13 lines ]
^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 Linter ^_ Go To Line
```

```
student@Lab4L-39:~$ ./area.sh
enter radius
10
Area of circle is 300
student@Lab4L-39:~$
```

Calculator using Switch Case

```
echo "Enter two values"

read x
read y

echo "Enter operation you want to perform"
read a

case $a in
[+])
((result=x+y))
echo "$result"
;;
[-])
((result=x-y))
echo "$result"


;;
[*])
((result=x*y))
echo "$result"


;;
[/])
((result=x/y))
echo "$result"


;;
*)
echo "Wrong command";;
esac
```

```
^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 Linter  ^_ Go To Line
```

```
Enter operation you want to perform
+
15
student@Lab4L-39:~$ ./switch.sh
Enter two values
3
12
Enter operation you want to perform
*
36
student@Lab4L-39:~$ ./switch.sh
Enter two values
50
2
Enter operation you want to perform
/
25
student@Lab4L-39:~$ ./switch.sh
Enter two values
1000
500
Enter operation you want to perform
-
500
student@Lab4L-39:~$
```