

Open



Task1.sh

~/Desktop

Save



```
1 printf "\n directory / file path : ";
2 read PASSED;
3
4 if [[ -d $PASSED ]]; then
5     echo "$PASSED is a directory"
6 elif [[ -f $PASSED ]]; then
7     echo "$PASSED is a file"
8 else
9     echo "$PASSED is not valid"
10
11 fi
```



ekatha@ekatha-VirtualBox: ~/Desktop



Thunderbird Mail VirtualBox:~\$ vim
ekatha@ekatha-VirtualBox:~\$ cd Desktop
ekatha@ekatha-VirtualBox:~/Desktop\$ touch Task1.sh
ekatha@ekatha-VirtualBox:~/Desktop\$ ls -al
total 12
drwxr-xr-x 2 ekatha ekatha 4096 Sep 27 12:10 .
drwxr-xr-x 18 ekatha ekatha 4096 Sep 27 12:10 ..
-rwxrwxr-x 1 ekatha ekatha 24 Sep 17 12:52 hello.sh
-rw-rw-r-- 1 ekatha ekatha 0 Sep 27 12:10 Task1.sh
ekatha@ekatha-VirtualBox:~/Desktop\$./Task.sh
bash: ./Task.sh: No such file or directory
ekatha@ekatha-VirtualBox:~/Desktop\$ code .

Command 'code' not found, but can be installed with:

sudo snap install code

ekatha@ekatha-VirtualBox:~/Desktop\$./Task1.sh
bash: ./Task1.sh: Permission denied
ekatha@ekatha-VirtualBox:~/Desktop\$ chmod +x Task1.sh

Command 'chmod' not found, did you mean:

 command 'chmod' from deb coreutils (8.30-3ubuntu2)

Try: sudo apt install <deb name>

ekatha@ekatha-VirtualBox:~/Desktop\$ chmod +x Task1.sh
ekatha@ekatha-VirtualBox:~/Desktop\$./Task1.sh



ekatha@ekatha-VirtualBox: ~/Desktop



```
-rw-rw-r-- 1 ekatha ekatha 0 Sep 27 12:10 Task1.sh
```

```
ekatha@ekatha-VirtualBox:~/Desktop$ ./Task.sh
```

```
bash: ./Task.sh: No such file or directory
```

```
ekatha@ekatha-VirtualBox:~/Desktop$ code .
```

Files

```
Command 'code' not found, but can be installed with:
```

```
sudo snap install code
```

```
ekatha@ekatha-VirtualBox:~/Desktop$ ./Task1.sh
```

```
bash: ./Task1.sh: Permission denied
```

```
ekatha@ekatha-VirtualBox:~/Desktop$ chmod +x Task1.sh
```

```
Command 'chmod' not found, did you mean:
```

```
command 'chmod' from deb coreutils (8.30-3ubuntu2)
```

```
Try: sudo apt install <deb name>
```

```
ekatha@ekatha-VirtualBox:~/Desktop$ chmod +x Task1.sh
```

```
ekatha@ekatha-VirtualBox:~/Desktop$ ./Task1.sh
```

```
directory / file path : Desktop
```

```
Desktop is not valid
```

```
ekatha@ekatha-VirtualBox:~/Desktop$ ./Task1.sh
```

```
directory / file path : hello.sh
```

```
hello.sh is a file
```

```
ekatha@ekatha-VirtualBox:~/Desktop$
```

Open



Task2.sh

~/Desktop

Save



```
1 printf " Salary : ";
2 read SALARY
3 if (($SALARY < 1500))
4 then
5     LibreOffice Writer "$(($SALARY+($SALARY * 110/100)+($SALARY * 90/100)))";
6 else
7     echo "$(($SALARY+500+($SALARY * 98/100)))";
8 fi
9
10
```



ekatha@ekatha-VirtualBox: ~/Desktop



ekatha@ekatha-VirtualBox:~/Desktop\$./Task2.sh

bash: ./Task2.sh: Permission denied

ekatha@ekatha-VirtualBox:~/Desktop\$ chmod +x Task2.sh

ekatha@ekatha-VirtualBox:~/Desktop\$./Task2.sh

Salary : 2000

4460

ekatha@ekatha-VirtualBox:~/Desktop\$./Task2.sh

Salary : 1000

3000

ekatha@ekatha-VirtualBox:~/Desktop\$



```
#!/bin/bash
```

```
echo "First Number: ";
```

```
read a;
```

```
echo "";
```

```
echo "Second Number: ";
```

```
read b;
```

```
echo ""
```

```
echo "$a ^ $b is : $(( $a ** $b ));
```

```
~
```

```
~
```

```
~
```

```
~
```

```
~
```

```
~
```

```
~
```

```
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```
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```
~
```

```
~
```

```
"Task3.sh" 9L, 128C
```

1,1

All



ekatha@ekatha-VirtualBox: ~/Desktop



ekatha@ekatha-VirtualBox:~/Desktop\$./Task3.sh

First Number:

2

Second Number:

3

2 ^ 3 is : 8

ekatha@ekatha-VirtualBox:~/Desktop\$ vim Task3.sh

ekatha@ekatha-VirtualBox:~/Desktop\$



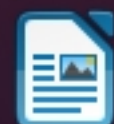
ekatha@ekatha-VirtualBox: ~/Desktop



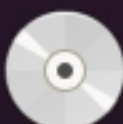
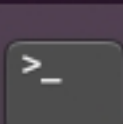
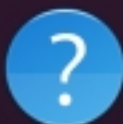
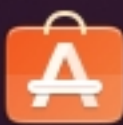
#1/bin/bash



```
echo "First file:"  
read f1;  
echo "Second file:"  
read f2;
```



```
if [diff $f1 $f2]  
then  
    echo "Same";  
else  
    echo "Different";  
fi
```

~
~
~
~
~
~
~
~
~
~
~

"Task4.sh" 15L, 139C

8,17

All



ekatha@ekatha-VirtualBox: ~/Desktop



ekatha@ekatha-VirtualBox:~/Desktop\$ cat > myfile

hi

^Z

[4]+ Stopped cat > myfile

ekatha@ekatha-VirtualBox:~/Desktop\$ cat > myfile2

hello

^Z

[5]+ Stopped cat > myfile2

ekatha@ekatha-VirtualBox:~/Desktop\$ diff myfile myfile2

1c1

< hi

> hello

ekatha@ekatha-VirtualBox:~/Desktop\$ diff myfile myfile

ekatha@ekatha-VirtualBox:~/Desktop\$



ekatha@ekatha-VirtualBox: ~/Desktop



#!/bin/bash

```
printf "\n1)ADD 2)SUBTRACT 3)MULTIPLE 4)DIVIDE 0)EXIT \n opt ::";  
read opt;
```

```
while [ $opt != '0' ]  
do
```

```
    echo "First no: ";
```

```
    read a;
```

```
    echo "Second no:";
```

```
    read b;
```

```
    case "$opt" in
```

```
        "1") echo "sum : $(( $a + $b ))";;
```

```
        "2") echo "sum : $(( $a - $b ))";;
```

```
        "3") echo "sum : $(( $a * $b ))";;
```

```
        "4") echo "sum : $(( $a / $b ))";;
```

```
    esac
```

```
    printf "\n1)ADD 2)SUBTRACT 3)MULTIPLE 4)DIVIDE 0)EXIT\n opt ::";  
    read opt;
```

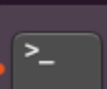
```
done
```

```
~  
~  
~  
~  
~  
~
```

```
"Task5.sh" 22L, 532C
```

10,25

All



ekatha@ekatha-VirtualBox: ~/Desktop



```
./Task5.sh: line 14: `                "1") echo "sum : $((($a+$b))");;'
```

```
ekatha@ekatha-VirtualBox:~/Desktop$ vim Task5.sh
```

```
ekatha@ekatha-VirtualBox:~/Desktop$ ./Task5.sh
```

```
1)ADD 2)SUBTRACT 3)MULTIPLE 4)DIVIDE 0)EXIT
```

```
opt ::1
```

```
./Task5.sh: line 14: syntax error near unexpected token `"1"'
```

```
./Task5.sh: line 14: `                "1") echo "sum : $((($a + $b))");;'
```

```
ekatha@ekatha-VirtualBox:~/Desktop$ vim Task5.sh
```

```
ekatha@ekatha-VirtualBox:~/Desktop$ ./Task5.sh
```

```
1)ADD 2)SUBTRACT 3)MULTIPLE 4)DIVIDE 0)EXIT
```

```
opt ::1
```

```
First no:
```

```
2
```

```
Second no:
```

```
3
```

```
sum : 5
```

```
1)ADD 2)SUBTRACT 3)MULTIPLE 4)DIVIDE 0)EXIT
```

```
opt ::2
```

```
First no:
```

```
4
```

```
Second no:
```

```
5
```

```
sum : -1
```

```
1)ADD 2)SUBTRACT 3)MULTIPLE 4)DIVIDE 0)EXIT
```

```
opt ::
```