

U19EC046 | OS | LAB 4

Solution #1

Output #1

```
#!/bin/bash
hours=$( date +"%H" )
if [ $hours -gt 0 ] && [ $hours -lt 12 ]
then
echo "good morning"
elif [ $hours -gt 12 ] && [ $hours -lt 16 ]
then
echo "good afternoon"
elif [ $hours -gt 16 ] && [ $hours -lt 20 ]
then
echo "good evening"
else
echo "good night"
fi

read -p "Enter to continue"
```

```
good evening
Enter to continue|
```

Solution 2

Output 2

```
#!/bin/bash

FILE=$1
n=$( grep -cx '\s*' $FILE )
echo "$n"
read -p "Enter to continue"
```

```
3
Enter to continue|
```

Solution 3

Output 3

```
#!/bin/bash
DIR=$1
n=$( find $DIR -size +10b | xargs ls -lhsS )
echo -
e "files having size greater than 10b \n $n "
count=$( find $DIR -size +10b | xargs ls -
lhsS | wc -l )
echo "number of files : $count"
read -p "Enter to continue"
```

```
files having size greater than 10b
816K ../lab1/U19EC046_OC_LAB1.docx
684K ../lab1/U19EC046_OC_LAB1.pdf
316K ../lab3/U19EC046_OS_LAB3.docx
316K ../lab4/U19EC046_OS_LAB3.docx
244K ../lab3/U19EC046_OS_LAB3.pdf
48K ../lab3/sol1.png
48K ../lab3/sol1_copy.png
36K ../lab2/U19EC046_OS_LAB2.pdf
28K ../lab2/U19EC046_OS_LAB2.docx
number of files : 9
Enter to continue
```

Solution 4

Output 4

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

```
DIR=$1
```

```
read -p "Enter the word for searching : " word
```

```
n=$( find $DIR -type f -
```

```
size +0b | xargs grep -c "$word" )
```

```
echo -e " files matching given word : \n $n "
```

```
read -p "Enter to continue"
```

```
Enter the word for searching : size
```

```
files matching given word :
```

```
./lab4_1.sh:0
```

```
./lab4_2.sh:0
```

```
./lab4_3.sh:3
```

```
./lab4_4.sh:1
```

```
./lab4_5.sh:0
```

```
./U19EC046_OS_LAB3.docx:0
```

```
./~$9EC046_OS_LAB3.docx:0
```

```
Enter to continue|
```

Solution 5

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

```
DIR=$1
```

```
n=$( find $DIR -mtime -1 )
```

```
echo -
```

```
e " files moddiffied in 24 hours are : \n $n"
```

```
read -p "Enter to continue"
```

Output 5

```
files moddiffied in 24 hours are :
```

```
./
```

```
./lab4_1.sh
```

```
./lab4_2.sh
```

```
./lab4_3.sh
```

```
./lab4_4.sh
```

```
./lab4_5.sh
```

```
./~$9EC046_OS_LAB3.docx
```

```
Enter to continue
```