

# OS - Shell Script [2022]



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# Write a shell script to find the length of an input string:

#### Code:

```
bokhate@kalimater:/media/bokhate/New Volume/codes/C/3rd-sem... Q : O S

(bokhate@kalimater)-[/media/.../3rd-sem/ca2/os/pca1]

vi stringLength.sh

Enter a string:
Farhad
Length of the string is: 6

Press ENTER or type command to continue
```

Write a shell script to perform an arithmetic operation upon two inputs. The operation should also be input by the user. Code:

```
bokhate@kalimater: /media/bokhate/New Volume/codes/C...
                                                               Q
echo "Enter the first operand: "
echo "Enter the second operand: "
read b
echo "Enter the operator: "
read op
case $op in
        +) e= expr $a + $b
           echo "Result: $a $op $b = $e";;
        -) e='expr $a - $b'
           echo "Result: $a $op $b = $e";;
        /) e='expr $a / $b'
           echo "Result: $a $op $b = $e";;
        \*) e= expr $a \* $b
            echo "Result: $a $op $b = $e";;
        *) echo "Enter a valid operator.";;
esac
"miniCalculator.sh" 18L, 403B
                                                                              All
                                                               18,0-1
```

```
bokhate@kalimater: /media/bokhate/New Volume/codes/C...
                                                            Q : 0 8
 —(bokhate⊗ kalimater)-[/media/.../3rd-sem/ca2/os/pca1]
s vi miniCalculator.sh
 —(bokhate⊕kalimater)-[/media/.../3rd-sem/ca2/os/pca1]
sh miniCalculator.sh
Enter the first operand:
Enter the second operand:
Enter the operator:
Result: 8 + 2 = 10
 —(bokhate⊗ kalimater)-[/media/.../3rd-sem/ca2/os/pca1]
sh miniCalculator.sh
Enter the first operand:
Enter the second operand:
Enter the operator:
Result: 8 - 2 = 6
```

Write a shell script to find out the smallest among 3 inputs.

Code:

```
Q :
       bokhate@kalimater: /media/bokhate/New Volume/codes/C...
(bokhate@kalimater)-[/media/.../3rd-sem/ca2/os/pca1]

vi minOfThree.sh
  —(bokhate® kalimater)-[/media/.../3rd-sem/ca2/os/pca1]
_$ sh minOfThree.sh
Enter three numbers:
2 3 6
2 is the smallest.
  —(bokhate⊕kalimater)-[/media/.../3rd-sem/ca2/os/pca1]

↓ sh minOfThree.sh

Enter three numbers:
3 2 6
2 is the smallest.
  -(bokhate@kalimater)-[/media/.../3rd-sem/ca2/os/pca1]
sh minOfThree.sh
Enter three numbers:
3 6 2
2 is the smallest.
  -(bokhate⊕kalimater)-[/media/.../3rd-sem/ca2/os/pca1]
```

Write a shell script to print all the multiplication table of a number input by the user.

#### Code:

```
bokhate@kalimater: /media/bokhate/New Volume/codes/C...
  -(bokhate@kalimater)-[/media/.../3rd-sem/ca2/os/pca1]
showTable.sh
  -(bokhate@kalimater)-[/media/.../3rd-sem/ca2/os/pca1]
Enter a number:
Table of 6 is:
                2
                                 12
6
                3
                                 18
                                 24
                                 30
6
                                 36
                                 42
                                 48
                                 54
                                 60
(bokhate@kalimater)-[/media/.../3rd-sem/ca2/os/pca1]
```

Write a shell script to generate the series of even numbers like 0,2,4,6....n (n is given by user):

#### Code:

```
bokhate@kalimater: /media/bokhate/New Volume/codes/C...
  -(bokhate@kalimater)-[/media/.../3rd-sem/ca2/os/pca1]
s vi evenSeries.sh
 --(bokhate⊛ kalimater)-[/media/.../3rd-sem/ca2/os/pca1]
sh <u>evenSeries.sh</u>
Enter a number:
Even series till 10 is:
0 2 4 6 8 10
  -(bokhate@kalimater)-[/media/.../3rd-sem/ca2/os/pca1]
sh evenSeries.sh
Enter a number:
100
Even series till 100 is:
0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44 46 48 50 52 54 5
6 58 60 62 64 66 68 70 72 74 76 78 80 82 84 86 88 90 92 94 96 98 100
 --(bokhate⊗kalimater)-[/media/.../3rd-sem/ca2/os/pca1]
  -(bokhate@kalimater)-[/media/.../3rd-sem/ca2/os/pca1]
```