1. $ ./sum.sh 2 4

$ ./sum.sh 2 4 6

#!/bin/bash

#check if number of arguments is 2, if not - print warning, if yes - proceed

if [ $# -ne 2 ]

then

echo "Execution: $0 x y"

echo "Where x and y are two integers for which sum will be calculated"

else

sum=`expr $1 + $2 `

echo "Sum of $1 and $2 is $sum "

fi

1. $ ./biggest.sh 5 8 2

#!/bin/bash

num1=$1

num2=$2

num3=$3

if [ $num1 -gt $num2 ] && [ $num1 -gt $num3 ]

then

echo "$num1 is biggest number"

elif [ $num2 -gt $num1 ] && [ $num2 -gt $num3 ]

then

echo "$num2 is biggest number"

elif [ $num3 -gt $num1 ] && [ $num3 -gt $num2 ]

then

echo "$num3 is biggest number"

fi

1. $ ./biggest.sh 5 8

$ ./biggest.sh 5 8 2

#!/bin/bash

if [ $# -ne 3 ]

then

echo "Use $0: number1 number2 number3 "

else

num1=$1

num2=$2

num3=$3

if [ $num1 -gt $num2 ] && [ $num1 -gt $num3 ]

then

echo "$num1 is biggest number"

elif [ $num2 -gt $num1 ] && [ $num2 -gt $num3 ]

then

echo "$num2 is biggest number"

elif [ $num3 -gt $num1 ] && [ $num3 -gt $num2 ]

then

echo "$num3 is biggest number"

fi

fi

1. $ ./biggest2.sh 2 2 2

$ ./biggest2.sh a b c

#!/bin/bash

if [ $# -ne 3 ]

then

echo "Use $0: number1 number2 number3 "

else

num1=$1

num2=$2

num3=$3

if [ $num1 -gt $num2 ] && [ $num1 -gt $num3 ]

then

echo "$num1 is biggest number"

elif [ $num2 -gt $num1 ] && [ $num2 -gt $num3 ]

then

echo "$num2 is biggest number"

elif [ $num3 -gt $num1 ] && [ $num3 -gt $num2 ]

then

echo "$num3 is biggest number"

#what if you give the same number 3 times???

elif [ $1 -eq $2 ] && [ $1 -eq $3 ] && [ $2 -eq $3 ]

then

echo "All the three numbers are equal"

#what if 3 arguments that are not really numbers???

else

echo "I can not figure out which number is bigger"

fi

fi

1. $ ./math-operations.sh 2 + 3

$./math-operations.sh 4 - 2

$ ./math-operations.sh 10 x 2

$ ./math-operations.sh 10 / 2

But be careful

$ ./math-operations.sh 10 / 3

$ ./math-operations.sh 10 v 2

$ ./math-operations.sh 10 + 2 - 4

#!/bin/bash

#check if all the arguments are provided: 2 numbers and operation

if test $# = 3

then

case $2 in

#sum

+) let result=$1+$3;;

#subtract

-) let result=$1-$3;;

#multiply

#case insensitive

x|X) let result=$1\*$3;;

#divide

/) let result=$1/$3;;

#unknown operator

\*) echo Warning - $2 invalid operator, only +,-,x,/ operator allowed

exit;;

esac

echo $1 $2 $3 = $result

else

echo "Syntax: $0 value1 operator value2"

echo "where, value1 and value2 are numeric values"

echo "operator can be +,-,x,/"

fi