NETWORKING & SYSTEM ADMINISTRATION LAB

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Roll No:43

Batch: Reg mca

Date:12/05/22

Experiment No.: 20

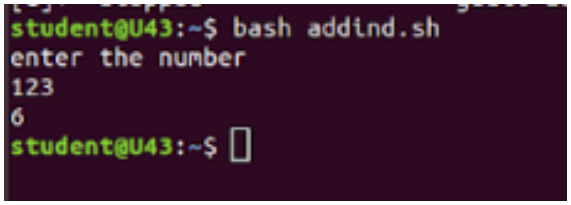
Aim

Write a shell scripting to sum of digit in a number

Procedure:

```
#!/bin/bash
echo "Enter a number"
read a
sum=0
while [ $a -gt 0 ]
do
   m=$((a % 10))
   a=$((a / 10))
   sum=$((sum + m))
done
echo $sum
```

Output Screenshot



Experiment No.: 21

Aim

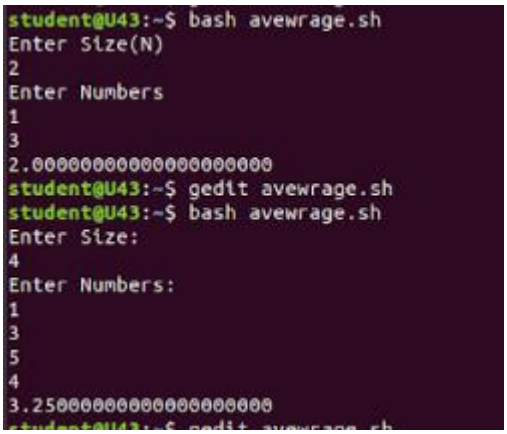
Write a shell scripting to find the average

Procedure:

```
#!/bin/bash
echo "Enter the size(a)"
```

```
read a

i=1
sum=0

echo "Enter the numbers"
while [ $i -le $a ]
do
  read b
  sum=$((sum + b))
  i=$((i + 1))
done

average=$(echo $sum / $a | bc -l)

echo $average
```

Output Screenshot



Experiment No.: 22

Aim

Write a shell scripting to find the calculator

Procedure:

```
# !/bin/bash


echo "Enter Two numbers : "
read a
read b


echo "Enter Choice :"
echo "1. Addition"
echo "2. Subtraction"
```

```
echo "3. Multiplication"
echo "4. Division"
read ch


case $ch in
  1)res=`echo $a + $b | bc`
  ;;
  2)res=`echo $a - $b | bc`
  ;;
  3)res=`echo $a \* $b | bc`
  ;;
  4)res=`echo "scale=2; $a / $b" | bc`
  ;;
esac
echo "Result : $res"
```

Output Screenshot