



NEW YORK CITY COLLEGE OF TECHNOLOGY
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LAB REPORT **EMT 2390L – OL76**

(OPERATING SYSTEM LABORATORY)

LAB #7

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Date: 3/28/21

While Loop Linux EMT 2390L Calculator

pujaroy@DESKTOP-U16R768: ~

```
#!/bin/bash
#lab7

clear
sum=0
i="y"

echo "Enter first number: "
read num1
echo "Enter second number: "
read num2
while [ $i = "y" ]
do
echo "1. Addition"
echo "2. Subtraction"
echo "3. Multiplication"
echo "4. Division"
echo "5. Exponentiation"
echo "E. Exit"
echo "Enter your choice:"
read q
case $q in
1)sum='expr $num1 + $num2'
echo "Sum ="$sum;;
2)sum='expr $num1 - $num2'
echo "Sub ="$sum;;
3)sum='expr $num1 \* $num2'
echo "Mul ="$sum;;
4)sum='expr $num1 / $num2'
echo "Div ="$sum;;
5)sum=$(echo "$num1 1" | awk "{print (($num1/1)^$num2)}")
echo "Exp ="$sum;;
E) exit;;
*)echo "Invalid choice";;
esac
echo "Do you want to continue?"
read i
if [ $i != "y" ]
then
exit
fi
done

~
~
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"lab7" 43L, 699C
```

pujaroy@DESKTOP-U16R768: ~

```
Enter first number:
20
Enter second number:
60
1. Addition
2. Subtraction
3. Multiplication
4. Division
5. Exponentiation
E. Exit
Enter your choice:
1
Sum =expr $num1 + $num2
Do you want to continue?
y
1. Addition
2. Subtraction
3. Multiplication
4. Division
5. Exponentiation
E. Exit
Enter your choice:
2
Sub = expr $num1 - $num2
Do you want to continue?
y
1. Addition
2. Subtraction
3. Multiplication
4. Division
5. Exponentiation
E. Exit
Enter your choice:
3
Mul = expr $num1 \* $num2
Do you want to continue?
y
1. Addition
2. Subtraction
3. Multiplication
4. Division
5. Exponentiation
E. Exit
Enter your choice:
4
Div = expr $num1 / $num2
Do you want to continue?
y
1. Addition
2. Subtraction
```