NETWORKING & SYSTEM ADMINISTRATION LAB

Experiment No.: 23

Aim

Write a shellscript program to do mathematical calculations using switch case

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Procedure

```
#!/bin/bash
echo "Enter Two Numbers"
read a b
echo "What do you want to do? (1 to 5)"
echo "1) Sum"
echo "2) Difference"
echo "3) Product"
echo "4) Quotient"
echo "5) Remainder"
echo "Enter your Choice"
read n
case "$n" in
echo "The Sum of $a and $b is `expr $a + $b`";;
echo "The Difference between $a and $b is `expr $a - $b`";;
echo "The Product of the $a and $b is `expr $a \* $b`";;
echo "The Quotient of $a by $b is `expr $a / $b`";;
echo "The Remainder of $a by $b is `expr $a % $b`";;
esac
```

Output:

```
The Sum of 5 and  is
student@S37:~/Documents/shellscript$ bash arithmeticoperations.sh
Enter Two Numbers
 4 6
What do you want to do? (1 to 5)
1) Sum
2) Difference
3) Product
4) Quotient
5) Remainder
Enter your Choice
1
The Sum of 4 and 6 is 10
student@S37:~/Documents/shellscript$ bash arithmeticoperations.sh
Enter Two Numbers
 3 7
What do you want to do? (1 to 5)
1) Sum
2) Difference
3) Product
4) Quotient
5) Remainder
Enter your Choice
 2
The Difference between 3 and 7 is -4
student@S37:~/Documents/shellscript$ bash arithmeticoperations.sh
Enter Two Numbers
 5 5
What do you want to do? (1 to 5)
1) Sum
2) Difference
3) Product
4) Quotient
5) Remainder
Enter your Choice
 3
The Product of the 5 and 5 is 25
student@S37:~/Documents/shellscript$ 
```