

## Case statement

- 1) Write a menu driven program for mathematical calculation
  - a. It should take user inputs a and b
  - b. It should ask for mathematical operator (+, -, / and \*).
  - c. Do the calculation
  - d. Print the output

```
Open  switchcase.sh
~/
1 #!/bin/bash
2
3 read -p "Enter two numbers seperated by space : " a b
4 echo "Choose an operation to perform:"
5 echo "+ for addition"
6 echo "- for Subtraction"
7 echo "x for Multiplication"
8 echo "/" for division"
9 read -p "Choose an operation: " op
10
11 case $op in
12     '+') echo "The sum of numbers $a and $b is : $((a+b))"
13     ;;
14     '-') echo "The difference of numbers $a and $b is : $((a-b))"
15     ;;
16     'x') echo "The product of numbers $a and $b is : $((a*b))"
17     ;;
18     '/') if [ $b -ne 0 ]; then
19         echo "The quotient of numbers $a and $b is : $((a / b)) and the remainder is $((a%b))"
20     else
21         echo "Cannot divide by zero"
22     fi
23     ;;
24 esac
```

```
bgmadhavan@bgm-virtual-machine: ~
bgmadhavan@bgm-virtual-machine:~$ ./switchcase.sh
Enter two numbers seperated by space : 20 4
Choose an operation to perform:
+ for addition
- for Subtraction
x for Multiplication
/ for division
Choose an operation: /
The quotient of numbers 20 and 4 is : 5 and the remainder is 0
bgmadhavan@bgm-virtual-machine:~$ ./switchcase.sh
Enter two numbers seperated by space : 6 7
Choose an operation to perform:
+ for addition
- for Subtraction
x for Multiplication
/ for division
Choose an operation: x
The product of numbers 6 and 7 is : 42
bgmadhavan@bgm-virtual-machine:~$
```