

## Assignment 7

- 1) Create two int type variable apply addition, subtraction, division and multiplications and store the result in variable. Then print the data in the following format by calling the variable

First variable is 10 and variable is 2

Addition: +

Sub: -

mul: \*

div: /

```
→ print("Enter two numbers:", end=" ")
nOne = int(input())
nTwo = int(input())
print("Enter the Operator (+, -, *, /):", end=" ")
ch = input()
if ch == '+':
    print("\n" + str(nOne) + " + " + str(nTwo) + " = "
          + str(nOne + nTwo))
elif ch == '-':
    print("\n" + str(nOne) + " - " + str(nTwo) + " = "
          + str(nOne - nTwo))
elif ch == '*':
    print("\n" + str(nOne) + " * " + str(nTwo) + " = "
          + str(nOne * nTwo))
elif ch == '/':
    print("\n" + str(nOne) + " / " + str(nTwo) + " = "
          + str(nOne / nTwo))
else:
    print("\n Invalid Operator !")
```

2) what is the difference bet<sup>n</sup> the following operator  
→ ① '/' & '//'

/

This method of division is considered as the classic division. The '/' single slash comes out the float division.

//

This method of division is considered the 'true division'. the '//' double slash comes out integer division which is also know as floor division

3) list the logical operator

→

&& AND - True only if both operands are True

|| OR = True if either operand is true

~ NOT = changes true to false and false to true.

4) explain right shift and left shift operator with ex

→ The bitwise shift operators are the right shift operator (>>) which moves the bit of an integer to the right and

ex -

shift expression >> additive expression

The left shift operator (<<), which moves the bit to the left

ex - shift expression << additive expression