

## Functions

### (Assignment Questions)

**Question 1 :** Write a function to check if a number is a palindrome in C++.  
(121 is a palindrome, 321 is not)

*A number is called a palindrome if the number is equal to the reverse of a number.*

*Eg : 121 is a palindrome because the reverse of 121 is 121 itself. On the other hand, 321 is not a palindrome because the reverse of 321 is 123, which is not equal to 321.*

**Question 2 :** Write a function to calculate the sum of digits of a number.

**Question 3 :** Write a function which takes 2 numbers as parameters (a & b) and outputs :  $a^2 + b^2 + 2*ab$ .

**Question 4 :** Write a function that prints the largest of 3 numbers.

**Question 5 :** Write a function that accepts a character (ch) as parameters & returns the character that occurs after ch in the English alphabet.

Eg : input = 'c', return value = 'd'

*Note : for ch = 'z', return 'a'.*