

# **ROOT -IT LEARNING CENTRE, TRICHY**

## **Question Set 4: Number Problems**

1. Program to count the number of digits in a given integer number
2. Check if the given number is of even length or odd length
3. Find the sum of digits of a given integer
4. Find the sum of digits located in the odd/even positions of a given integer
5. Count the number of odd/even digits in an Integer
6. Find the sum of the odd/even digits of a given integer
7. Get the last digit of a given integer
8. Get the first digit of a given integer
9. Given an integer, find the digit with maximum value. (I/P: 1890, O/P: 9)
10. Given an integer find the location (1s, 10s, 100s, 1000s, etc.,) of the digit with maximum value. (I/P: 1890, O/P: 10s)
11. Given an integer find the digit with minimum value. (I/P: 1890, O/P: 0)
12. Given an integer find the location (1s, 10s, 100s, 1000s, etc.,) of the digit with minimum value. (I/P: 1890, O/P: 1s)
13. Reverse a given integer number N (I/P: 1243, O/P: 3421)
14. Find the digital root of a given integer (Digital root means - keep adding and folding till it becomes a single digit) (I/P: 8654, O/P: 5)
15. Check if all digits of a given integer N divides N (I/P: 486, O/P: False, I/P: 48, O/P: True)
16. Program to count how many digits of a given integer N are divisible by another positive integer K (I/P: N=486, K=2, O/P: 3, I/P: N=843, K=4, O/P: 2)
17. Check if a given two or three-digit positive integer is a palindrome or not
18. Check if the given positive long integer is palindrome or not
19. Find the maximum number that can be formed using the digits of a given integer N.  
(I/P: 1890, O/P: 9810)
20. Find the minimum number that can be formed using the digits of a given integer N.  
(I/P: 1890, O/P: 189)