

## Assembly language (Assignment)

1. Write an assembly language program to encrypt digits as shown below:

input digit: 0 1 2 3 4 5 6 7 8 9

encrypted digit: 4 6 9 5 0 3 1 8 7 2

Your program should accept a string consisting of digit and nondigit characters. The encrypted string should be displayed in which only the digits are affected. Then the user should be queried whether he/she wants to terminate the program. If the response is either 'y' or 'Y' you should terminate the program; otherwise, you should request another input string from the keyboard.

The encryption scheme given here has the property that when you encrypt an already encrypted string, you get back the original string. Use this property to verify your program.

2. Write an assembly language programme to check whether given string is palindrome or not?

Assignment will be evaluated on 17/04/2017