COE 205 Term 032

Computer Organization and Assembly Language Programming

Programming Assignment # 1

In these assignments you are required to write a series of programs. Submit your program in a virus-free floppy disk containing the source code, and the executable code.

Write your program in a structured way.

1. Input

2. Processing

3. Output

Put as many comments as you judge it necessary.

Part A:

Write a program that prompts the user to enter a 5 digit **decimal** number in the range 0-65535 (i.e. 0000-FFFFh). The program should read the number converts it to hexadecimal to be saved in memory, and finally displayed.

Part B:

This part is a continuation of part A.

The program prompts the user to enter a radix between 2 and 9. The program will convert the 5 digit decimal number to the radix specified by the user and finally displays it on the screen in the specified radix.