Lab 11

Task 1

An Assembly Language Program that find the greatest common divisor [GCD] of two integers M and N, according to the following algorithm:

1. Divide M by N, getting quotient Q and remainder R.
2. If R=0, stop. N is the GCD of M and N.
3. If R<>0, replace M by N, N by R, and repeat step-1.

Use INDEC procedure to enter M and N and OUTDEC procedure to print the GCD.

Sample output:

Enter First Number: 30
Enter Second Number: 54
GCD is: 6

Task 2

Write a program to prompt the user to enter number seconds in decimal (0 - 65535), Show the number of hours, minutes and seconds in given input.

Sample output:

Enter number of seconds: 5653

Hour: 1

Minutes:34

Seconds:13