**Homework 06 ECE2310**

1. An integer is said to be *a perfect number* if the sum of its divisors, including 1(but not the number itself), is equal to the number. For example, 6 is a perfect number because 6 = 1+2+3.

A) Write a function *isPerfect*( *number* ) that returns *true* when the *number* is a perfect number, *false* when it is not.

B) Write a C# console program that calls the function in A) to determine and print all the perfect numbers between 1 and 2000. Print the divisors of each perfect number to confirm that the number is indeed perfect.

C) Use the function in A) to determine and display how many perfect numbers there are between 5 and 5000.