

**German University in Cairo**  
**Computer Science and Engineering Department**  
**Prof. Dr. Slim Abdennadher**

**Introduction to Computer Science, Winter Term 2007-2008**  
**Assignment 3**

*Submission: 29.11.2007 (17:00 pm)*

**Exercise 3-1**

(10 Marks)

An integer number is said to be a perfect number if its factors, including 1 (but not the number itself), sum to the number. For example, 6 is a perfect number because  $6 = 1 + 2 + 3$ . Write a pseudo code program that takes an integer as input and determines if it is perfect or not. Hint: you can use the % operator