# Assignment 6 (10 points): Prime Number

Your goal is to ask the user for a number and to determine if that number is a prime number.  Use a function to determine if the number is prime.

<u>Your program should have the following:</u>

- The name of the program should be Assignment6.
- 3 comment lines (description of the program, author, and date).
- Ask the user for an integer. Store this result in a variable with an appropriate name. (1 point)
- Write a function that has an integer parameter and determines if that integer is a prime number.  A prime number is divisible by itself and 1.  This function should return **true** if the number is prime and **false** if the number is not prime.  Give this function an appropriate name.  (5 points)
- Call the function and save the result in a variable.  (2 points)
- Display the result of whether the user entered number is prime or not prime.  (2 points)