Comp 1005J practical 3

1.
Write a program to read in an integer value and output "Yes" if it is a palindrome and "No" if it is not. A palindrome is a number which reads the same forward and backward.

2.
Write a function to replace the digit x by the digit y in the integer number n.
e.g

replace(2, 7, 24213) = 74713

3.
Write a function to count the number of trailing zeros in an integer.
e.g.

trailing_zeros(1230) = 1

trailing_zeros(230100) = 2

trailing_zeros(20113) = 0

4.
Write a function that takes an integer n and counts the number of trailing zeros in factorial n.

5.
Write a program which reads in 2 dates d1, m1, y1 and d2, m2, y2, where the second date is later than the first date, and outputs how many days later the second date is.