CS4051 Fundamentals of Computing

Lab work – week 7

1. Write a function that takes a number N as parameter and returns the sum of all the odd numbers from 1 to N.
2. Write a function that takes a word as input and counts the number of vowels and consonants present in the word.
3. A palindrome is a word or a sequence of characters which reads the same backward as forward, such as *madam* or *racecar*. Write a function that takes a word as input and determines whether it is a palindrome or not.
4. Write a program that takes input from the user a string of numbers (eg. "24453"), then all the numbers from the string must be put in a list and their sum should be printed out.
5. Write a program that takes 2 words as input from the user and prints out a list containing the letters which the 2 words have in common. For example if word1 is "english" and word2 is "nepali", the output should be ["l", "e", "i", "n"].