1. (a) Write a program that reads in a sentence and returns all the words that do not contain the letter 'e'. (A word here is defined as any string occurring between whitespace.)

(b) Write a program that takes a sentence and a string of forbidden characters and returns a message to say whether any of these characters are in the sentence.
   • Note that you can convert a string into a list by the command list(mystring) (where mystring is a well-defined string)

2. Write a program that checks if a word that the user enters is a palindrome. Make sure that your program works for words with an odd number of characters as well as for words with an even number.