

National Institute of Technology Calicut
Department of Computer Science and Engineering
CS6103D Software Systems Lab - Monsoon 2021
Perl Evaluation

Questions

Time: 45 min

1. A palindrome is a symmetric character sequence that looks the same when read backwards. Write a program in Perl to detect whether a given string is palindrome with the following constraints:
 - (a) It should discard blank spaces and punctuation marks.
 - (b) It should be case sensitive.
 - (c) Your program should accept a string from the keyboard and output YES/NO.

Sample Input & Output

(1 mark)

Input: "madam, I'm adam."

Output: YES

Input: "Eve."

Output: NO

2. According to Euclid's formula, $a = bq + r, 0 \leq r < b$, where a and b are two positive integers, and q and r are two unique integers such that $a = bq + r$ holds true. Write a program in Perl to accept a and b as input and print q and r as output. (Assume $a > b$)

Sample Input & Output

(0.5 mark)

Input: 24 8

Output: 3 0

Input: 13 5

Output: 2 3

3. Write a Perl program that reads a file with strings separated by a space. Check whether the second string can be obtained from the first by the deletion of none, one or more characters. Output must be either 'YES' or 'NO' depending on whether second string can be obtained from first string.

Sample Input & Output

(1.5 mark)

Input text in file: hyderabad her

Output: YES

Input text in file:: hyderabad dear

Output: NO