

EECS 2032

Lab 6 Fall 2020

In this lab, you will learn how to deal with arrays and control flow

Problem 1

Write a C program that reads two floating point numbers on the same line. Then it adds these two floating point numbers to form another floating point number (z).

Display another floating number (y) that is formed as follows.

- The fraction part of y is the same as the fraction part of z
- The whole part of y is the whole part of z reversed

For example if $z = 1589.316$

Then $y = 9851.316$

Name the file lab6_1.c

Problem 2

Write a C program that reads on line of text and display YES or NO.

If the line contains three consecutive letters in the English alphabet (disregarding small cap or large cap) then it display

YES

otherwise it displays

NO

Name the file lab6_2.c

Problem 3

Write a C code that reads a two 2-D square arrays, A and B.

The program compares the diagonal element in each row of A with the sum of all the entries in the same row of B except the diagonal element.

If the diagonal element of Each and every row of A is greater than or equal to the sum of all the elements in the same row in B except the diagonal element then the Program display the following message

Diag(A) is greater than or equal rows of B.

Input

The first line of the input is an integer (n) the size of the arrays.
The second line contains the n^2 element of A
The third line contains the n^2 element of B

