

Char To Int Array (Index)

ZPRAC-16-17-Lab10

[BONUS]

A character array of N elements is simply a contiguous block of N bytes in memory. In C, int is represented by 4 bytes. As such a character array of N elements (N bytes) can be interpreted as an integer array of N/4 elements.

For example:

Given a character array of 8 elements we can write the array as:

b0 b1 b2 b3 b4 b5 b6 b7

where b represents a byte.

This array can also be interpreted as a 2 element integer array, with b0b1b2b3 being the first integer and b4b5b6b7 the second one.

Your task is to take a character array as input, treat it as a integer array and output the integers at indexes required.

INPUT FORMAT:

N (int) --- number of elements of character array

(N characters) --- elements of the array

T --- number of queries

(T integers) --- the queries

OUTPUT FORMAT:

(T integers) --- integers at queried indexes

EXAMPLE:

INPUT:

8

abcdefgh

2

0 1

OUTPUT:

1684234849 1751606885