In The Name Of God

( problem set - 7 )

1 - binary search .

2 - Write a function to sort strings in alphabetical order.

Input:

< **Ascending** & **Descending** >

Input :

Bhgerisa

Output:

Abeghirs

3 - Write functions that gets two arrays from user and add,sub of two polynomial.

Input:

[1,0,1,1]

[0,1,3,1]

Output:

Sum -> [1,1,4,2]

(x^3 + x^2+ 4x+ 2)

Sub -> [1,-1,-2,0]

(x^3 - x^2 - 2x)

4 - Write a program to get an integer “n” and finds all armstrong numbers less equal than n.< n must be large enough like n = 10000 ).(the cube of digits are equal to the number itself)

Input:153

Output:the number is armstrong(1\*1\*1+5\*5\*5+3\*3\*3=153)

Input: 354

Output : the number isn’t armstrong(3\*3\*3+5\*5\*5+4\*4\*4 !=354)