

Assignment-5 (Function)

I. Write code to recursively calculate the maximum value in a list.

II. Python 3 (using function)

Guess game:

Input a series of five letter words in upper case one per line. End of the input is indicated by ###. All of the inputs should be appended into a list except '###'. From the appended list the computer should randomly select a word and the user should guess it.

So, next input line should be a single integer N that represents the number of input guesses the user can make.

However the output should be 2N lines of input

For example if N=2 (guesses), then after each line of user guess a response to the guess should be there.

SAMPLE INPUT

SALTY

THEIR

BAKER

NIGHT

LIGHT

###

2

BAKER

.....

THEIR

th.i.

LIGHT

NIGHT

Explanation:

Inputs all in upper case until ###.

2 is number of guesses.

1st guess BAKER. Response "....." indicates the neither of the letters from the 'BAKER'

are in the hidden word so the user gets to guess again otherwise terminate.

2nd guess THEIR. Response "th.i." the lower case indicates the letter t,h,i are in the word but in wrong positions.

Thereafter the OUTPUT word(s) from the list in alphabetical order that have letter t,h,i but in a different position.