#word guessing game

from random import randint

l=input("Enter space seperated list of words : ").split()

n=int(input("Enter number of guesses : "))

g=0

w = l[randint(0,len(l)-1)]

word=[[x,False] for x in w]

while(g<n):

print("Guesses remaining : ",n-g)

for x in word:

if x[1]:

print(x[0],end="")

else:

print(end="\_")

print()

s=input("Enter your guess : ")

r=False

f=True

for i in range(len(word)):

if word[i][0]==s:

if word[i][1]==False:

word[i][1]=True

f=False

else:

r=True

break

if f:

print("Wrong Guess")

g+=1

else:

print("Correct Guess")

g+=1

if r:

print("Already Entered, guess again")

for x in word:

if not x[1]:

break

else:

print("You have guessed the word")

break

else:

print("OUT OF GUESSES")

print("ANSWER : ",w)

2.EVEN AND ODD

N=int(input("Enter a number : "))

e=0

o=0

while N>0:

d=N%10

N=N//10

if d%2==0:

e+=d

else:

o+=d

print(e,o)

3.MISSING NUMBER

def segregate(arr, size):

j = 0

for i in range(size):

if (arr[i] <= 0):

arr[i], arr[j] = arr[j], arr[i]

j += 1

return j

def findMissingPositive(arr, size):

for i in range(size):

if (abs(arr[i]) - 1 < size and arr[abs(arr[i]) - 1] > 0):

arr[abs(arr[i]) - 1] = -arr[abs(arr[i]) - 1]

for i in range(size):

if (arr[i] > 0):

# 1 is added because indexes start from 0

return i + 1

return size + 1

def findMissing(arr, size):

shift = segregate(arr, size)

return findMissingPositive(arr[shift:], size - shift)

arr = [ 0, 10, 2, -10, -20 ]

arr\_size = len(arr)

missing = findMissing(arr, arr\_size)

print("The smallest positive missing number is ", missing)