1. 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) 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) 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)