1. Write a Python program to print the calendar of a given month and year.

Note:

Take month and year input from the user

year in four digits format for example, 2003, 1997, 2018 etc.

month in digit format, for example 1 to 12.

If month and year are not in specified format display Invalid Input

import calendar

year=int(input())

month=int(input())

count=0

n=year

while(n>0):

count=count+1

n=n//10

if(month>12 or count!=4):

print("Invalid Input ")

else:

print(calendar.month(year ,month))

2 Given a list in Python and a number x, count number of occurrences of x in the given list.

Write a Python function countX(lst, x) to count the number x in a given list of numbers.

Note: Take input (total number of element in the list, list element and x) from the user and call the function countX(lst, x)

def countX(lst, x):

count= 0

for ele in lst:

if ele == x:

count= count+1

print(count)

lst =[]

n = int(input())

for i in range(0,n):

ele = int(input())

lst.append(ele)

x = int(input())

3. Write a Python program to remove and print every second number from a list of numbers until the list becomes empty.

Note:

use function

Take input (total number of element in the list, list element) from the user and call the function removeThirdNumber(int\_list))

def removeThirdNumber(int\_list):

position= 2-1

index=0

len\_list=(len(int\_list))

while(len\_list>0):

index=(position+index)%len\_list

print(int\_list.pop(index))

len\_list -= 1

n=int(input())

int\_list=[]

for i in range(n):

int\_list.append(int(input()))

removeThirdNumber(int\_list)

4. Write a Python program (function) to print a single string from two set of strings received from user and swap the first two characters of each string.

Input:

Python

Java

Output:

jathon pyva

Note:

If length of any one of the string is less than 2 then print Invalid

def convert(s):

new=""

for x in s:

new += x

return new

a=input()

b=input()

s1=a.strip()

s2=b.strip()

if(len(s1)>=2 and len(s2)>=2):

t1=list(s1)

t2=list(s2)

c1=t1[0]

c2=t1[1]

t1[0]=t2[0]

t1[1]=t2[1]

t2[0]=c1

t2[1]=c2

s1=convert(t1)

s2=convert(t2)

print(s1,"",s2)

else:

print("Invalid")

5.Write a Python function to print missing characters to make string pangram.

Input Format:

The first line of the input is a string most probably a sentence.

Output Format:

Print the alphabets that are missing in that string to make it a pangram.

a=input()

a=set(a.strip())

a.remove(chr(32))

b="abcdefghijklmnopqrstuvwxyz"

b=set(b)

b=b.difference(a)

b=list(b)

b.sort()

print("".join(b))

1. countX(lst, x)