**Exercise No: 1**

**Date:**

**Aim:**

To write the python program to print the calendar of a given month and year.

**Program:**

import calendar as calen

y=int(input())

m=int(input())

if(y>999 and y<10000):

if(m>=1 and m<=12):

print(calen.month(y,m))

else:

print("Invalid Input")

else:

print("Invalid Input")

**Program link:**

[**http://103.53.53.18/mod/vpl/forms/submissionview.php?id=229&userid=1766**](http://103.53.53.18/mod/vpl/forms/submissionview.php?id=229&userid=1766)

**Output:**

**2000**

**10**

**October 2000**

**Mo Tu We Th Fr Sa Su**

**1**

**2 3 4 5 6 7 8**

**9 10 11 12 13 14 15**

**16 17 18 19 20 21 22**

**23 24 25 26 27 28 29**

**30 31**

**Result:**

Calendar of the given month and year is obtained successfully.

**Exercise No: 2**

**Date:**

**Aim:**

To write the python program to count the given number in a given list of numbers.

**Program:**

def countX(lst,x):

count=0

for element in lst:

if element == x:

count=count+1

print(count)

lst=[]

n=int(input())

for i in range(0,n):

element=int(input())

lst.append(element)

x=int(input())

countX(lst,x)

**Program Link:**

[**http://103.53.53.18/mod/vpl/forms/submissionview.php?id=230&userid=1766**](http://103.53.53.18/mod/vpl/forms/submissionview.php?id=230&userid=1766)

**Output:**

6

2

4

5

2

6

7

2

2

**Result:**

The count of the given number in a given list of number is obtained successfully.

**Exercise No: 3**

**Date:**

**Aim:**

To write the python program to remove and print every second number from a list of numbers until the list becomes empty.

**Program:**

def removeThirdNumber(int\_list):

index=0

pos=2-1

for i in range (0,len(int\_list)):

index=(pos+index)%len(int\_list)

print(int\_list[index])

int\_list.pop(index)

n=int(input())

list=[]

for i in range(0,n):

a=int(input())

list.append(a)

removeThirdNumber(list)

**Program Link:**

[**http://103.53.53.18/mod/vpl/forms/submissionview.php?id=231&userid=1766**](http://103.53.53.18/mod/vpl/forms/submissionview.php?id=231&userid=1766)

**Output:**

6

3

2

4

1

6

5

2

1

5

4

3

6

**Result:**

Every second number from a given list of numbers are removed and printed until the list becomes empty.

**Exercise No: 4**

**Date:**

**Aim:**

To write the python program to print a single string from two set of strings received from user and swap the first two characters of each string.

**Program:**

def combine(s):

new=""

for i in s:

new+=i

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)

x=t1[0]

y=t1[1]

t1[0]=t2[0]

t1[1]=t2[1]

t2[0]=x

t2[1]=y

s1=combine(t1)

s2=combine(t2)

print(s1," ",s2)

else:

print("Invalid")

**Program Link:**

[**http://103.53.53.18/mod/vpl/forms/submissionview.php?id=234&userid=1766**](http://103.53.53.18/mod/vpl/forms/submissionview.php?id=234&userid=1766)

**Output:**

Python

Java

jathon pyva

**Result:**

The first two characters of each strings are swapped successfully.

**Exercise No: 5**

**Date:**

**Aim:**

To write the python program to print missing characters to make string pangram.

**Program:**

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))

**Program Link:**

[**http://103.53.53.18/mod/vpl/forms/submissionview.php?id=235&userid=1766**](http://103.53.53.18/mod/vpl/forms/submissionview.php?id=235&userid=1766)

**Output:**

the quick brown fox jumps over the lazy

dg

**Result:**

The result for this program is obtained successfully.