**Exercise No: 1**

**Date:**

**Aim:**

Aim of the program is to print the calendar of a given month and year.

**Program:**

import calendar

year=int(input())

mon=int(input())

if(year>999 and year<10000):

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

print(calendar.month(year,mon))

else:

print("Invalid Input")

else:

print("Invalid Input")

**Program link:**

<http://103.53.53.18/mod/vpl/forms/submissionview.php?id=229&userid=1804>

**Output:**

**2000**

**9**

**September 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**

**Result:**

Calendar of the given month and year is obtained successfully.

**Exercise No: 2**

**Date:**

**Aim:**

Aim of the program is to count the given number in a given list of numbers.

**Program:**

def countX(lst,x):

count=0

for num in lst:

if(num==x):

count=count+1

return count

n=int(input())

list=[]

for i in range(0,n):

a=int(input())

list.append(a)

x=int(input())

result=countX(list,x)

print(result)

**Program Link:**

<http://103.53.53.18/mod/vpl/forms/submissionview.php?id=230&userid=1804>

**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:**

Aim of the program is to remove and print every second number from a list of numbers until the list becomes empty.

**Program:**

def removeThirdNumber(int\_list):

index=0

position=2-1

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

index=(position+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=1804>

**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:**

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

**Program:**

def word(t):

join=""

for letter in t:

join=join+letter

return join

str1=input()

str2=input()

s1=str1.strip()

s2=str2.strip()

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

temp1=list(s1)

temp2=list(s2)

temp1[0]=s2[0]

temp1[1]=s2[1]

temp2[0]=s1[0]

temp2[1]=s1[1]

t1=word(temp1)

t2=word(temp2)

print(t1,t2)

else:

print("Invalid")

**Program Link:**

<http://103.53.53.18/mod/vpl/forms/submissionview.php?id=234&userid=1804#>

**Output:**

Python

Java

Jathon Pyva

**Result:**

The first two characters of each string are swapped successfully.

**Exercise No: 5**

**Date:**

**Aim:**

Aim of the program is to print missing characters to make string pangram.

**Program:**

str=input().strip()

set1=set(str)

str1="abcdefghijklmnopqrstuvwxyz"

a=str1.strip()

set2=set(a)

dif=set2.difference(set1)

lst=list(dif)

lst.sort()

print("".join(lst))

**Program Link:**

<http://103.53.53.18/mod/vpl/forms/submissionview.php?id=235&userid=1804>

**Output:**

The quick brown fox jumps over the lazy

dg

**Result:**

The result for this program is obtained successfully.