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Exercise No:1

Date:12/10/2020

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**Aim:**

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

**Program:**

import calendar

year=int(input())

month=int(input())

if((year>999 and year<10000) and (month>=1 and month<=12)):

print(calendar.month(year,month))

else:

print("invalid input")

**Link:**

<http://103.53.53.18/mod/vpl/forms/submissionview.php?id=229&userid=1781>

**Output:**

2012

6

June 2012

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:**

Using calendar import function, Calendar of the given year and month is obtained.

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Exercise No:2

Date:12/10/2020

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**Aim:**

To write a Python function to count the number in a given list of numbers

**Program:**

def countX(lst,x):

c=0

for i in range(len(lst)):

if(x==lst[i]):

c=c+1

return c

lst=[]

n=int(input())

for \_ in range(n):

lst.append(int(input()))

x=int(input())

occ=countX(lst,x)

print(occ)

**Link:**

<http://103.53.53.18/mod/vpl/forms/submissionview.php?id=230&userid=1781>

**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.

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Exercise No:3

Date:12/10/2020

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**Aim:**

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

**Program:**

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)

**Link:**

<http://103.53.53.18/mod/vpl/forms/submissionview.php?id=231&userid=1781>

**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.

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Exercise No:4

Date:12/10/2020

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**Aim:**

To write a 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 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")

**Link:**

<http://103.53.53.18/mod/vpl/forms/submissionview.php?id=234&userid=1781>

**Output:**

python

java

jathon pyva

**Result:**

The first two characters of each string are swapped successfully.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Exercise No:5

Date:12/10/2020

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**Aim:**

To write a Python function 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))

**Link:**

<http://103.53.53.18/mod/vpl/forms/submissionview.php?id=235&userid=1781>

**Output:**

the quick brown fox jumps over the lazy

dg

**Result:**

The result for this program is obtained successfully.