Codekata Report:

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1. Write a code to get the input in the given format and print the output in the given format

Sample Input:

2

Sample Output:

2

Completion Status: Completed

Concepts Included:

Input/Output

Language Used: PYTHON 3

Source Code:


```
#Getting input via STDIN
userInput = input()
print(userInput)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

2

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

4

Compilation Status: Passed

Execution Time:

0.015s

2. Write a code to get the input in the given format and print the output in the given format

Sample Input:

2 3 4 5 6 7 8

Sample Output:

2 3 4 5 6 7 8

Completion Status: Completed

Concepts Included:

Input/Output

Language Used: PYTHON 3

Source Code:

```
a=input()
print(a)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

2 3 4 5 6 7 8

Compilation Status: Passed

Execution Time:

0.009s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

12 13 14 15 16 17 18

Compilation Status: Passed

Execution Time:

0.01s

3. You are given A = Length of a rectangle & B = breadth of a rectangle. Find its area “C”.

(A and B are natural numbers)

Sample Input:

2
3

Sample Output:

6

Completion Status: Completed

Concepts Included:

absolute beginner

Language Used: PYTHON 3

Source Code:

```
A=int(input())
B=int(input())
C=A*B
print(C)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

144

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

30

Compilation Status: Passed

Execution Time:

0.014s

4. You are given with a number A i.e. the temperature in Celcius. Write a program to convert this into Fahrenheit.

Note: In case of decimal values, round-off to two decimal places.

Sample Input:

12

Sample Output:

53.60

Completion Status: Completed

Concepts Included:

absolute beginner

Language Used: PYTHON 3

Source Code:

```
A=int(input())
b=(A*9/5)+32
print(b)
```


Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

32.0

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

69.8

Compilation Status: Passed

Execution Time:

0.014s

5. Write a code to get the input in the given format and print the output in the given format.

Sample Input:

5 3
1 2 3 4 5

Sample Output:

5 3
1 2 3 4 5

Completion Status: Completed

Concepts Included:

Input/Output

Language Used: PYTHON 3

Source Code:

```
a=input()
b=input()
print(a)
print(b)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

5 3
1 2 3 4 5

Compilation Status: Passed

Execution Time:

0.014s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

4 2
1 4 3 2

Compilation Status: Passed

Execution Time:

0.009s

6. Write a code to get the input in the given format and print the output in the given format

Sample Input:

2 4
2 4
2 4

Sample Output:

2 4
2 4
2 4

Completion Status: Completed

Concepts Included:

Input/Output

Language Used: PYTHON 3

Source Code:

```
a=input()
b=input()
c=input()
print(a)
print(b)
print(c)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

2 4
2 4
2 4

Compilation Status: Passed

Execution Time:

0.009s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

1 3
2 3
4 5

Compilation Status: Passed

Execution Time:

0.009s

7. Write a code to get the input in the given format and print the output in the given format

Sample Input:

2
4
5

Sample Output:

2 4 5

Completion Status: Completed

Concepts Included:

Input/Output

Language Used: PYTHON 3

Source Code:

```
a=int(input())
b=int(input())
c=int(input())
print(a,b,c)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

2 4 5

Compilation Status: Passed

Execution Time:

0.009s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

9 9 9

Compilation Status: Passed

Execution Time:

0.009s

8. Write a code to get the input in the given format and print the output in the given format

Sample Input:

2 5
2 5 6
2 4 5

Sample Output:

2 5
2 5 6
2 4 5

Completion Status: Completed

Concepts Included:

Input/Output

Language Used: PYTHON 3

Source Code:

```
a=input()
b=input()
c=input()
print(a)
print(b)
print(c)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

2 5
2 5 6
2 4 5

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

1 2
1 2 4
1 2 3

Compilation Status: Passed

Execution Time:

0.01s

9. Write a code to get the input in the given format and print the output in the given format

Sample Input:

guvi

Sample Output:

g u v i

Completion Status: Completed

Concepts Included:

Input/Output

Language Used: PYTHON 3

Source Code:

```
a=input()
b=" ".join(a)
print(b)
```


Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

g u v i

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

c o d e k a t a

Compilation Status: Passed

Execution Time:

0.011s

10. Write a code to get an integer N and print values from 1 till N in a separate line.

Sample Input:

5

Sample Output:

1
2
3
4
5

Completion Status: Completed

Concepts Included:

absolute beginner

basics

Looping

Language Used: PYTHON 3

Source Code:

```
n=int(input())
for i in range(1,n+1):
print(i)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

```
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
32
33
34
35
36
```

91
92
93
94
95
96
97
98
99
100

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

1
2
3
4
5
6
7
8
9
10

Compilation Status: Passed

Execution Time:

0.009s

11. Given a number n Find whether the number is divisible by 2,3 and 5.if divisible print yes else print no

Sample Input:

30

Sample Output:

yes

Completion Status: Completed

Concepts Included:

zen

Language Used: PYTHON 3

Source Code:

```
a=int(input())
if a%2==0 and a%3==0 and a%5==0:
print("yes")
else:
print("no")
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

yes

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

no

Compilation Status: Passed

Execution Time:

0.01s

12. Write a code to get the input in the given format and print the output in the given format.

Sample Input:

2.3 4.5 7.8

Sample Output:

2.3
4.5
7.8

Completion Status: Completed

Concepts Included:

Input/Output

Language Used: PYTHON 3

Source Code:

```
a=input()
b=a.split()
for i in b:
print(i)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

2.3
4.5
7.8

Compilation Status: Passed

Execution Time:

0.009s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

1.2
3.4
5.6

Compilation Status: Passed

Execution Time:

0.01s

13. Write a code to get the input in the given format and print the output in the given format.

Sample Input:

guvigeek

Sample Output:

g
u
v
i
g
e
e
k

Completion Status: Completed

Concepts Included:

Input/Output

Language Used: PYTHON 3

Source Code:

```
a=input()
for i in a:
print(i)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

```
g
u
v
i
g
e
e
k
```


Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

```
c
```

o
d
e

Compilation Status: Passed

Execution Time:

0.009s

14. Write a code to get the input in the given format and print the output in the given format.

Sample Input:

guvi

Sample Output:

g,u,v,i

Completion Status: Completed

Concepts Included:

Input/Output

Language Used: PYTHON 3

Source Code:

```
a=input()
b=",".join(a)
print(b)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

g,u,v,i

Compilation Status: Passed

Execution Time:

0.009s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

h,e,l,l,o

Compilation Status: Passed

Execution Time:

0.01s

15. Given a number N followed by a list of N numbers. Write a program to reverse the list and print the list.Input Size : 1 <= N <= 10000Sample Testcases :INPUT71 2 3 4 5 6 7OUTPUT7->6->5->4->3->2->1

Completion Status: Not Completed

Concepts Included:

data structures

companies

Language Used: PYTHON 3

Source Code:

```
a=int(input())
b=input()
c=list(b)
d=c[::-1]
e=" -> ".join(d)
print(e)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

5 -> -> 4 -> -> 3 -> -> 1 -> -> 2 -> -> 1

Compilation Status: Failed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

8 -> -> 8 -> -> 7 -> -> 6 -> -> 1 -> -> 3 -> -> 3 -> -> 1

Compilation Status: Failed

Execution Time:

0.009s

16. You are given a number A in Kilometers. Convert this into B: Meters and C: Centi-Metres.

Sample Input:

2

Sample Output:

2000
200000

Completion Status: Completed

Concepts Included:

absolute beginner

Language Used: PYTHON 3

Source Code:

```
a=int(input())
b=a*1000
c=a*100000
print(b)
print(c)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

2000
200000

Compilation Status: Passed

Execution Time:

0.009s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

4000
400000

Compilation Status: Passed

Execution Time:

0.009s

17. You are provided with a number, "N". Find its factorial.

Sample Input:

2

Sample Output:

2

Completion Status: Completed

Concepts Included:

absolute beginner

Language Used: PYTHON 3

Source Code:

```
a=int(input())
factorial=1
for i in range(1,a+1):
factorial=factorial*i
print(factorial)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

24

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

6

Compilation Status: Passed

Execution Time:

0.009s

18. The area of an equilateral triangle is ¼(√3a2) where "a" represents a side of the triangle. You are provided with the side "a". Find the area of the equilateral triangle.

Sample Input:

20

Sample Output:

173.21

Completion Status: Completed

Concepts Included:

absolute beginner

Language Used: PYTHON 3

Source Code:

```
a=float(input())
b=((3**0.5)*(a**2))/4
print(format(b,".2f"))
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

173.21

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

4243.96

Compilation Status: Passed

Execution Time:

0.01s

19. You are provided with a number check whether its odd or even.

Print "Odd" or "Even" for the corresponding cases.

Note: In case of a decimal, Round off to nearest integer and then find the output. Incase the input is zero, print "Zero".

Sample Input:

2

Sample Output:

Even

Completion Status: Completed

Concepts Included:

absolute beginner

Language Used: PYTHON 3

Source Code:

```
a=int(input())
if a%2==0:
print("Even")
elif a%2!=0:
print("Odd")
else:
print("Zero")
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

Even

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

Odd

Compilation Status: Passed

Execution Time:

0.009s

20. You are provided with two numbers. Find and print the smaller number.

Sample Input:

23 1

Sample Output:

1

Completion Status: Completed

Concepts Included:

absolute beginner

Language Used: PYTHON 3

Source Code:

```
a=list(map(int,input().split()))
for i in a:
v=min(a)
print(v)
```


Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

2

Compilation Status: Passed

Execution Time:

0.009s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

32

Compilation Status: Passed

Execution Time:

0.011s

21. Using the method of looping, write a program to print the table of 9 till N in the format as follows: (N is input by the user)

9 18 27...

Print NULL if 0 is input

Sample Input:

3

Sample Output:

9 18 27

Completion Status: Completed

Concepts Included:

absolute beginner

Language Used: PYTHON 3

Source Code:

```
a=int(input())
e=[]
for i in range(1,a+1):
if a==0:
print("NULL")
else:
e.append(str(i*9))

print(" ".join(e))
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

9 18 27

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

9

Compilation Status: Passed

Execution Time:

0.01s

22. Write a code to get the input and print it 5 times.

Sample Input:

4

Sample Output:

4
4
4
4
4

Completion Status: Completed

Concepts Included:

absolute beginner

basics

Looping

Language Used: PYTHON 3

Source Code:

```
a=int(input())
for i in range(0,5):
print(a)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

5
5
5
5
5

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

10
10
10
10
10

Compilation Status: Passed

Execution Time:

0.009s

23. You are given with a number "N", find its cube.

Sample Input:

2

Sample Output:

8

Completion Status: Completed

Concepts Included:

absolute beginner

Language Used: PYTHON 3

Source Code:

```
a=int(input())
print(a**3)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

-8

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

1

Compilation Status: Passed

Execution Time:

0.01s

24. You are given three numbers A, B & C. Print the largest amongst these three numbers.

Sample Input:

1
2
3

Sample Output:

3

Completion Status: Completed

Concepts Included:

absolute beginner

Language Used: PYTHON 3

Source Code:

```
a=int(input())
b=int(input())
c=int(input())
if a>b and a>c:
print(a)
elif b>a and b>c:
print(b)
else:
print(c)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

3

Compilation Status: Passed

Execution Time:

0.009s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

0

Compilation Status: Passed

Execution Time:

0.009s

25. You will be provided with a number. Print the number of days in the month corresponding to that number.

Note: In case the input is February, print 28 days. If the Input is not in valid range print "Error".

Sample Input:

8

Sample Output:

31

Completion Status: Completed

Concepts Included:

absolute beginner

Language Used: PYTHON 3

Source Code:

```
a=int(input())
if a==1 or a==3 or a==5 or a==7 or a==8 or a==10 or a==12:
print("31")
elif a==2:
print("28")
elif a==4 or a==6 or a==9 or a==11:
print("30")
else:
print("Error")
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

Error

Compilation Status: Passed

Execution Time:

0.009s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

Error

Compilation Status: Passed

Execution Time:

0.009s

26. Let "A" be a string. Remove all the whitespaces and find it's length.

Sample Input:

Lorem Ipsum

Sample Output:

10

Completion Status: Completed

Concepts Included:

absolute beginner

Language Used: PYTHON 3

Source Code:

```
a=input()
b=a.replace(" ","")
l=len(b)
print(l)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

10

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

4

Compilation Status: Passed

Execution Time:

0.009s

27. Let "A" be a year, write a program to check whether this year is a leap year or not.

Print "Y" if its a leap year and "N" if its a common year.

Sample Input:

2020

Sample Output:

Y

Completion Status: Completed

Concepts Included:

absolute beginner

Language Used: PYTHON 3

Source Code:

```
a=int(input())
if a%2==0 and a%4==0:
print("Y")
else:
print("N")
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

N

Compilation Status: Passed

Execution Time:

0.009s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

Y

Compilation Status: Passed

Execution Time:

0.009s

28. Print the First 3 multiples of the given number "N". (N is a positive integer)

Note: print the characters with a single space between them.

Sample Input:

2

Sample Output:

2 4 6

Completion Status: Completed

Concepts Included:

absolute beginner

Language Used: PYTHON 3

Source Code:

```
def we(n):
multiples=[]
for i in range(1,4):
multiples.append(str(n*i))
print(" ".join(multiples))
n=int(input())
we(n)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

2 4 6

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

4 8 12

Compilation Status: Passed

Execution Time:

0.009s

29. Write a code to get 2 integers A and N. Print the integer A, N times in separate line.

Sample Input:

2 3

Sample Output:

2
2
2

Completion Status: Completed

Concepts Included:

absolute beginner

basics

Looping

Language Used: PYTHON 3

Source Code:

```
A, N = map(int, input().split())

for i in range(N):

print(A)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

5
5
5
5

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

10
10

10
10
10

Compilation Status: Passed

Execution Time:

0.01s

30. Write a code to get an integer N and print the values from N to 1.

Sample Input:

10

Sample Output:

10
9
8
7
6
5
4
3
2
1

Completion Status: Completed

Concepts Included:

absolute beginner

basics

Looping

Language Used: PYTHON 3

Source Code:

```
a=int(input())
while a>0:
print(a)
a-=1
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

100
99
98
97
96
95
94
93
92
91
90
89
88
87
86
85
84
83
82
81
80
79
78
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30
29
28
27
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22
21
20
19
18
17
16
15
14
13
12
11
10
9
8
7
6
5
4

3
2
1

Compilation Status: Passed

Execution Time:

0.009s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

5
4
3
2
1

Compilation Status: Passed

Execution Time:

0.01s

31. Write a code to get an integer N and print the digits of the integer.

Sample Input:

348

Sample Output:

3 4 8

Completion Status: Completed

Concepts Included:

absolute beginner

basics

Looping

Language Used: PYTHON 3

Source Code:

```
a=input()
b=" ".join(a)
print(b)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

5 4 5 6 3 5 6

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

2 3 4 6

Compilation Status: Passed

Execution Time:

0.009s

32. Write a program to get a string as input and reverse the string

without using temporary variable.

Sample Input:

GUVI

Sample Output:

IVUG

Completion Status: Completed

Concepts Included:

absolute beginner

basics

bit manipulation

Looping

Language Used: PYTHON 3

Source Code:

```
a=input()[::-1]
print(a)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

elgooG

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

koobecaf

Compilation Status: Passed

Execution Time:

0.009s

33. Write a code to get an integer N and print the even values from 1 till N in a separate line.

Sample Input:

6

Sample Output:

2
4
6

Completion Status: Completed

Concepts Included:

absolute beginner

basics

Looping

Language Used: PYTHON 3

Source Code:

```
a=int(input())
for i in range(2,a+1,2):
print(i)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

2
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
34
36
38
40
42
44
46
48
50
52
54
56
58
60
62
64
66
68
70
72
74
76
78
80
82
84
86

88
90
92
94
96
98
100

Compilation Status: Passed

Execution Time:

0.009s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

2
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
34
36
38
40
42
44
46
48
50

Compilation Status: Passed

Execution Time:

0.01s

34. Find the minimum among 10 numbers.Sample Testcase :INPUT5 4 3 2 1 7 6 10 8 9OUTPUT1

Completion Status: Completed

Concepts Included:

basics

mathematics

Language Used: PYTHON 3

Source Code:

```
k=list(map(int,input().split()))
for i in range(0,10):
w=min(k)
print(w)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

0

Compilation Status: Passed

Execution Time:

0.009s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

1

Compilation Status: Passed

Execution Time:

0.009s

35. Write a code to get 2 integers as input and find the HCF of the 2 integer without using recursion or Euclidean algorithm.

Sample Input:

2 3

Sample Output:

1

Completion Status: Completed

Concepts Included:

absolute beginner

basics

Looping

Language Used: PYTHON 3

Source Code:

```
a=list(map(int,input().split(" ")))
def h(x,y):
if x>y:
smaller=y
else:
smaller=x
for i in range(1,smaller+1):
if((x%i==0)and(y%i==0)):
hcf=i
return hcf
s1=a[0]
s2=a[1]
```

```
print(h(s1,s2))
```


Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

19

Compilation Status: Passed

Execution Time:

0.009s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

15

Compilation Status: Passed

Execution Time:

0.009s

36. Write a code to get an integer N and print the sum of values from 1 to N.

Sample Input:

10

Sample Output:

55

Completion Status: Completed

Concepts Included:

absolute beginner

basics

Looping

Language Used: PYTHON 3

Source Code:

```
from functools import reduce
n=int(input())
s=[]
for i in range(1,n+1):
s.append(i)
total=reduce(lambda x,y:x+y,s)
print(total)
```


Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

5050

Compilation Status: Passed

Execution Time:

0.012s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

1225

Compilation Status: Passed

Execution Time:

0.012s

37. You are given with Principle amount($), Interest Rate(%) and Time (years) in that order. Find Simple Interest.

Print the output up to two decimal places (Round-off if necessary).

(S.I. = P*T*R/100)

Sample Input:

1000 2 5

Sample Output:

100.00

Completion Status: Completed

Concepts Included:

absolute beginner

Language Used: PYTHON 3

Source Code:

```
a=list(map(float,input().split(" ")))
si=(a[0]*a[2]*a[1])/100
print(si)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

100.0

Compilation Status: Passed

Execution Time:

0.015s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

112.2

Compilation Status: Passed

Execution Time:

0.01s

38. You are given Two Numbers, A and B. If C = A + B. Find C.

Note: Round off the output to a single decimal place.

Sample Input:

1
1

Sample Output:

2

Completion Status: Completed

Concepts Included:

absolute beginner

Language Used: PYTHON 3

Source Code:

```
a=int(input())
b=int(input())
c=a+b
print(c)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

20

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

27

Compilation Status: Passed

Execution Time:

0.009s

39. Given numbers A,B find A^B.Input Size : 1 <= A <= 5 <= B <= 50Sample Testcase :INPUT3 4OUTPUT81

Completion Status: Completed

Concepts Included:

array

mathematics

basics

Language Used: PYTHON 3

Source Code:

```
a=list(map(int,input().split()))
b=a[0]**a[1]
print(b)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

243

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

4

Compilation Status: Passed

Execution Time:

0.01s

40. Given base(B) and height(H) of a triangle find its area.Input Size : N <= 1000000 Sample Testcase :INPUT2 4OUTPUT4

Completion Status: Completed

Concepts Included:

mathematics

companies

basics

Language Used: PYTHON 3

Source Code:

```
a=list(map(int,input().split()))
c=(a[0]*a[1])/2
print(c)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

4.5

Compilation Status: Passed

Execution Time:

0.009s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

16.0

Compilation Status: Passed

Execution Time:

0.01s

41. Given a range of 2 numbers (i.e) L and R count the number of prime numbers in the range (inclusive of L and R).Input Size : L <= R <= 100000(complexity O(n) read about Sieve of Eratosthenes)Sample Testcase :INPUT2 5OUTPUT3

Completion Status: Not Completed

Concepts Included:

mathematics

basics

Language Used: PYTHON 3

Source Code:

```
a,b=map(int,input().split())
count=0
for i in range(a,b):
count+=1
print(count)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

5

Compilation Status: Failed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

7

Compilation Status: Failed

Execution Time:

0.01s

42. Write a code get an integer number as input and print the odd and even digits of the number separately.

Sample Input:

1234

Sample Output:

2 4
1 3

Completion Status: Completed

Concepts Included:

basics

absolute beginner

Looping

Language Used: PYTHON 3

Source Code:

```
a=input()
even=[]
odd=[]
for i in a:
r=int(i)
if r%2==0:
even.append(i)
else:
odd.append(i)
print(*sorted(even))
print(*sorted(odd))
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

2 2 4
3 3 3

Compilation Status: Passed

Execution Time:

0.009s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

2 2 2 4
3 3 5 5 5

Compilation Status: Passed

Execution Time:

0.009s

43. Write a code get an integer number as input and print the sum of the digits.

Sample Input:

124

Sample Output:

7

Completion Status: Completed

Concepts Included:

absolute beginner

basics

Looping

Language Used: PYTHON 3

Source Code:

```
a=input()
sum=0
for i in a:
sum+=int(i)
print(sum)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

45

Compilation Status: Passed

Execution Time:

0.009s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

49

Compilation Status: Passed

Execution Time:

0.01s

44. You are provided with a number "N", Find the Nth term of the series: 1, 4, 9, 16, 25, 36, 49, 64, 81, ...

(Print "Error" if N = negative value and 0 if N = 0).

Sample Input:

18

Sample Output:

324

Completion Status: Completed

Concepts Included:

absolute beginner

Language Used: PYTHON 3

Source Code:

```
a=int(input())
print(a**2)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

324

Compilation Status: Passed

Execution Time:

0.009s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

0

Compilation Status: Passed

Execution Time:

0.009s

45. You are provided with the radius of a circle "A". Find the length of its circumference.

Note: In case the output is coming in decimal, roundoff to 2nd decimal place. In case the input is a negative number, print "Error".

Sample Input:

2

Sample Output:

12.57

Completion Status: Completed

Concepts Included:

absolute beginner

Language Used: PYTHON 3

Source Code:

```
import math
a=float(input())
if a<0:
print("Error")
else:
c=2*math.pi*a
b=round(c,2)
print(b)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

12.57

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

2.51

Compilation Status: Passed

Execution Time:

0.01s

46. Given a string convert string into upper case

Sample Input:

guvi geek

Sample Output:

GUVI GEEK

Completion Status: Completed

Concepts Included:

zen

Language Used: PYTHON 3

Source Code:

```
a=input()
b=a.upper()
print(b)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

GUVI GEEK

Compilation Status: Passed

Execution Time:

0.009s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

HELLO

Compilation Status: Passed

Execution Time:

0.009s

47. Given a string convert string into lower case

Sample Input:

Guvi Geek

Sample Output:

guvi geek

Completion Status: Completed

Concepts Included:

zen

Language Used: PYTHON 3

Source Code:

```
a=input()
print(a.lower())
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

guvi geek

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

well

Compilation Status: Passed

Execution Time:

0.009s

48. Write a code to generate an inverted half pyramid pattern using stars.

Sample Input:

5

Sample Output:

```
* * * * *
* * * *
* * *
```

* *
*

Completion Status: Completed

Concepts Included:

patterns

Language Used: PYTHON 3

Source Code:

```
def inverted_half_pyramid(rows):
for i in range(rows, 0, -1):
for j in range(i):
if j < i - 1:
print("*  ", end="")
else:
print("*", end="")
print()

# Sample Input
rows = int(input())

# Generate the inverted half pyramid
inverted_half_pyramid(rows)
```


Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

```
* * * * *
* * * *
* * *
* *
*
```

Compilation Status: Passed

Execution Time:

0.009s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

```
* * * * * *
* * * * *
* * * *
* * *
* *
*
```

Compilation Status: Passed

Execution Time:

0.009s

49. Generate a half pyramid pattern using numbers.

Sample Input:

5

Sample Output:

```
1
12
123
1234
12345
```

Completion Status: Completed

Concepts Included:

patterns

Language Used: PYTHON 3

Source Code:

```
a=int(input())
for i in range(1,a+1):
for j in range(i):
print(j+1,end="")
print()
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

```
1
12
123
1234
12345
```

Compilation Status: Passed

Execution Time:

0.009s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

```
1
12
123
```

Compilation Status: Passed

Execution Time:

0.009s

50. Generate a solid rectangle using stars.

Sample Input:

3 5

Sample Output:

* * * * *
* * * * *
* * * * *

Completion Status: Completed

Concepts Included:

patterns

Language Used: PYTHON 3

Source Code:

```
x,y=map(int,input().split())
for i in range(x):
print(" ".join(["*"]*y))
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

* * * * *
* * * * *
* * * * *

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

*

Compilation Status: Passed

Execution Time:

0.01s

51. You are given with an array of numbers, Your task is to print the difference of indices of largest and smallest number.All number are unique.

Sample Input:

5
1 6 4 0 3

Sample Output:

-2

Completion Status: Completed

Concepts Included:

array

numbers

Language Used: PYTHON 3

Source Code:

```
a=int(input())
arr=list(map(int,input().split()))
maximum=arr.index(max(arr))
minimum=arr.index(min(arr))
diff=maximum-minimum
print(diff)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

-2

Compilation Status: Passed

Execution Time:

0.011s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

5

Compilation Status: Passed

Execution Time:

0.009s

52. You are provided with a number 'n'. Your task is to tell whether that number is saturated. A saturated number is a number which is made by exactly two digits.

Sample Input:

121

Sample Output:

Saturated

Completion Status: Completed

Concepts Included:

mathematics

numbers

Language Used: PYTHON 3

Source Code:

```
a=input()
b=len(a)
if len(a)>2:
print("Saturated")
else:
print("Unsaturated")
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

Saturated

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

Saturated

Compilation Status: Passed

Execution Time:

0.01s

53. Given a number N, print yes if the number is a multiple of 7 else print no.Sample Testcase :INPUT49OUTPUTyes

Completion Status: Completed

Concepts Included:

mathematics

Language Used: PYTHON 3

Source Code:

```
a=int(input())
if a%7==0:
print("yes")
else:
print("no")
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

yes

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

no

Compilation Status: Passed

Execution Time:

0.016s

54. Assume your brother studies in class 2. He has to complete his homework on co-primes. As an elder sibling help him in finding whether the given two numbers is co-prime or not.

Sample Input:

3 5

Sample Output:

1

Completion Status: Completed

Concepts Included:

mathematics

Language Used: PYTHON 3

Source Code:

```
n,m=map(int,input().split())
if n%m!=0:
print("1")
else:
print("0")
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

1

Compilation Status: Passed

Execution Time:

0.011s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

1

Compilation Status: Passed

Execution Time:

0.01s

55. You are given a number 'n'. You have to tell whether a number is great or not. A great number is a number whose sum of digits let (m) and product of digits let(j) when summed together gives the number back

m+j=n

Sample Input:

59

Sample Output:

Great

Completion Status: Completed

Concepts Included:

mathematics

numbers

Language Used: PYTHON 3

Source Code:

```
a=input()
b=int(a)
c=int(a[0])+int(a[1])
d=int(a[0])*int(a[1])
if c+d==b:
print("Great")
else:
print("no")
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

Great

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

no

Compilation Status: Passed

Execution Time:

0.01s

56. Given 3 numbers a,b,c print a*b mod c.Sample Testcase :INPUT5 3 2OUTPUT1

Completion Status: Completed

Concepts Included:

mathematics

Language Used: PYTHON 3

Source Code:

```
a,b,c=map(int,input().split())
print((a*b)%c)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

0

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

1

Compilation Status: Passed

Execution Time:

0.01s

57. You are given a task to tell whether the number is pure or not. A pure number is a number whose sum of digits is multiple of 3.

O(1) time and O(1) space

Sample Input:

13

Sample Output:

not

Completion Status: Completed

Concepts Included:

mathematics

Language Used: PYTHON 3

Source Code:

```
def number(n):
if n%3==0:
print("yes")
else:
print("not")

a=int(input())
number(a)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

not

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

not

Compilation Status: Passed

Execution Time:

0.01s

58. Given 3 numbers N , L and R. Print 'yes' if N is between L and R else print 'no'.Sample Testcase :INPUT32 6OUTPUTyes

Completion Status: Completed

Concepts Included:

mathematics

basics

Language Used: PYTHON 3

Source Code:

```
n=int(input())
l,r=map(int,input().split())
```

```
if n>l and n<r:
print("yes")
else:
print("no")
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

yes

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

no

Compilation Status: Passed

Execution Time:

0.015s

59. Given a number N, find the nearest greater multiple of 10.Input Size : N <= 10000Sample Testcase :INPUT3OUTPUT10

Completion Status: Completed

Concepts Included:

mathematics

Language Used: PYTHON 3

Source Code:

```
def g(n):
if n%10==0:
return n+10
else:
return ((n//10)+1)*10
n=int(input())
print(g(n))
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

100

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

10

Compilation Status: Passed

Execution Time:

0.01s

60. Assume that you are ticket verifier at a club. Your club has decided to give a special discount to the person(s) who are satisfying the following condition

Condition:-

If ticket number is divisible by date of month. You are eligible for a discount.

Sample Input:

6
112 139 165 175 262 130
22

Sample Output:

0 0 0 0 0 0

Completion Status: Completed

Concepts Included:

mathematics

numbers

Language Used: PYTHON 3

Source Code:

```
n=int(input())
c=list(map(int,input().split()))
k=int(input())
result=[]
for i in c:
if i%k==0:
result.append("1")
else:
result.append("0")
print(" ".join(result))
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

0 0 0 0 0 0

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

1 0 0 0 0 0 0 0 0 0

Compilation Status: Passed

Execution Time:

0.01s

61. Given 2 numbers N,M. Find their difference and check whether it is even or odd.Sample Testcase :INPUT5 5OUTPUTeven

Completion Status: Completed

Concepts Included:

mathematics

Language Used: PYTHON 3

Source Code:

```
n,m=map(int,input().split())
x=n-m
```

```
if x%2==0:
print("even")
else:
print("odd")
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

even

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

odd

Compilation Status: Passed

Execution Time:

0.01s

62. Given a number N, print the odd digits in the number(space seperated) or print -1 if there is no odd digit in the given number.Input Size : N <= 100000Sample Testcase :INPUT2143OUTPUT1 3

Completion Status: Completed

Concepts Included:

array

mathematics

Language Used: PYTHON 3

Source Code:

```
a=input()
a1=int(a)
result=[]
for i in a:
if int(i)%2!=0:
result.append(i)

if result:
print(" ".join(result))
else:
print("-1")
```


Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

-1

Compilation Status: Passed

Execution Time:

0.009s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

1 3

Compilation Status: Passed

Execution Time:

0.011s

63. You are given with a number ‘n’. You have to count the pair of two numbers a and b such that sum of two numbers are equal to n.

Note:Both numbers lie in range 1<=a,b<n

Sample Input:

5

Sample Output:

4

Completion Status: Completed

Concepts Included:

mathematics

integer

numbers

Language Used: PYTHON 3

Source Code:

```
def pair(n):
count=0
for a in range(1,n):
for b in range(1,n):
if a+b==n:
count+=1
print(count)
n=int(input())
pair(n)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

22

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

11

Compilation Status: Passed

Execution Time:

0.009s

64. Simi is learning about palindromic numbers. Her teacher gave him the task to count all palindromic numbers present in that range.Simi has told you about this and want your help. You design an algorithm in order to help simi.

Sample Input:

5

Sample Output:

5

Completion Status: Completed

Concepts Included:

mathematics

Language Used: PYTHON 3

Source Code:

```
def palindrom(num):
return str(num)==str(num)[::-1]
def pali(n):
count=0
for i in range(1,n+1):
if palindrom(i):
count+=1
print(count)
n=int(input())
pali(n)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

7

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

9

Compilation Status: Passed

Execution Time:

0.01s

65. Write a program to print the sum of the first K natural numbers.Input Size : n <= 100000Sample Testcase :INPUT3OUTPUT6

Completion Status: Completed

Concepts Included:

basics

mathematics

Language Used: PYTHON 3

Source Code:

```
k=int(input())
sum=0
for i in range(1,k+1):
sum=sum+i
print(sum)
```


Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

1

Compilation Status: Passed

Execution Time:

0.009s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

210

Compilation Status: Passed

Execution Time:

0.009s

66. Pk finds it difficult to judge the minimum element in the list of elements given to him. Your task is to develop the algorithm in order to find the minimum element.

Note:Don't use sorting

Sample Input:

5
3 4 9 1 6

Sample Output:

1

Completion Status: Completed

Concepts Included:

mathematics

array

Language Used: PYTHON 3

Source Code:

```
a=int(input())
b=map(int,input().split())
print(min(b))
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

2

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

0

Compilation Status: Passed

Execution Time:

0.01s

67. Given 2 numbers N,M. Print 'yes' if their product is a perfect square else print 'no'.Sample Testcase :INPUT5 5OUTPUTyes

Completion Status: Completed

Concepts Included:

mathematics

basics

Language Used: PYTHON 3

Source Code:

```
import math
def square(n,m):
product=n*m
square=int(math.sqrt(product))
if square*square==product:
print("yes")
else:
print("no")
n,m=map(int,input().split())
square(n,m)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

yes

Compilation Status: Passed

Execution Time:

0.011s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

no

Compilation Status: Passed

Execution Time:

0.011s

68. Given a number N, find its next immediate greater power of 2(i.e 2^1, 2^2, 2^3...).Input Size : N <= 1000Sample Testcase :INPUT4OUTPUT8

Completion Status: Completed

Concepts Included:

mathematics

Language Used: PYTHON 3

Source Code:

```
def powe(n):
power=1
while power<=n:
power*=2
return power
n=int(input())
print(powe(n))
```


Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

32

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

128

Compilation Status: Passed

Execution Time:

0.01s

69. You are given an array of non-negative integers representing height of walls at index i as Ai and the width of each block is 1. Compute how much air can be encapsulated between the walls of chamber.

Sample Input:

3
7 4 9

Sample Output:

3

Completion Status: Not Completed

Concepts Included:

array

mathematics

Language Used: PYTHON 3

Source Code:

```
a=int(input())
elements=list(map(int,input().split()))
print(a)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

3

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

3

Compilation Status: Failed

Execution Time:

0.01s

70. Given a number N, print the product of the digits.Input Size : N <= 100000000000Sample Testcase :INPUT2143OUTPUT24

Completion Status: Completed

Concepts Included:

mathematics

Language Used: PYTHON 3

Source Code:

```
a=input()
product=1
for i in a:
product=product*int(i)
print(product)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

0

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

256

Compilation Status: Passed

Execution Time:

0.01s

71. You are given given task is to print whether array is ‘majestic’ or not.A ‘majsetic’ array is an array whose sum of first three number is equal to last three number.

Sample Input:

7
1 2 3 4 6 0 0

Sample Output:

1

Completion Status: Completed

Concepts Included:

mathematics

array

Amazon

Facebook

United-Health-Group

guvi-learning-path

Language Used: PYTHON 3

Source Code:

```
a=int(input())
b=list(map(int,input().split()))
first=sum(b[:3])
last=sum(b[-3:])
if first==last:
print("1")
else:
print("0")
```


Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

1

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

0

Compilation Status: Passed

Execution Time:

0.01s

72. Given a number N, check whether it is prime or not. Print 'yes' if it is prime else print 'no'.Sample Testcase :INPUT123OUTPUTno

Completion Status: Completed

Concepts Included:

mathematics

Language Used: PYTHON 3

Source Code:

```
n=int(input())
count=0
for i in range(1,n+1):
if n%i==0:
count=count+1
if count<=2:
print("yes")
else:
print("no")
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

yes

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

no

Compilation Status: Passed

Execution Time:

0.01s

73. Given 2 numbers N and K followed by elements of N .Print 'yes' if K exists else print 'no'.Sample Testcase :INPUT4 21 2 3 3OUTPUTyes

Completion Status: Completed

Concepts Included:

basics

array

Language Used: PYTHON 3

Source Code:

```
n,k=map(int,input().split())
elements=list(map(int,input().split()))
if k in elements:
print("yes")
else:
print("no")
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

yes

Compilation Status: Passed

Execution Time:

0.011s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

no

Compilation Status: Passed

Execution Time:

0.012s

74. Given 2 numbers N and K followed by N elements,print the number of repetition of K otherwise print '-1' if the element not

found.Sample Testcase :INPUT6 21 2 3 5 7 8OUTPUT0

Completion Status: Completed

Concepts Included:

basics

mathematics

array

Language Used: PYTHON 3

Source Code:

```
n,k=map(int,input().split())
elements=list(map(int,input().split()))
count=elements.count(k)
if count==1:
print("0")
elif k not in elements:
print("-1")
else:
print(count)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

0

Compilation Status: Passed

Execution Time:

0.009s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

-1

Compilation Status: Passed

Execution Time:

0.009s

75. Given a number N, print 'yes' if it is composite else print 'no'.Sample Testcase :INPUT123OUTPUTyes

Completion Status: Completed

Concepts Included:

mathematics

basics

Language Used: PYTHON 3

Source Code:

```
n=int(input())
count=0
for i in range(1,n+1):
if n%i==0:
count=count+1
if count>2:
print("yes")
else:
print("no")
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

no

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

yes

Compilation Status: Passed

Execution Time:

0.011s

76. Given 2 numbers N and M add both the numbers and check whether the sum is odd or even.Sample Testcase :INPUT9 2OUTPUTodd

Completion Status: Completed

Concepts Included:

basics

mathematics

Language Used: PYTHON 3

Source Code:

```
n,m=map(int,input().split())
c=n+m
if c%2==0:
print("even")
else:
print("odd")
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

odd

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

even

Compilation Status: Passed

Execution Time:

0.01s

77. Given an array of N elements switch(swap) the element with the adjacent element and print the output.Sample Testcase :INPUT53 2 1 2 3OUTPUT2 3 2 1 3

Completion Status: Completed

Concepts Included:

mathematics

array

bitwise

basics

Language Used: PYTHON 3

Source Code:

```
n=int(input())
n1=list(map(int,input().split()))
for i in range(0,n-1,2):
n1[i],n1[i+1]=n1[i+1],n1[i]
print(" ".join(map(str,n1)))
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

3 2 5 4 5 6

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

2 3 2 3 1

Compilation Status: Passed

Execution Time:

0.01s

78. Given 3 numbers A,B,C print 'yes' if they can form the sides of scalene triangle else print 'no'.Input Size : A,B,C <= 100000Sample Testcase :INPUT3 4 5OUTPUTyes

Completion Status: Completed

Concepts Included:

mathematics

basics

Language Used: PYTHON 3

Source Code:

```
a,b,c=map(int,input().split())
d=(a+b>c and b+c>a and a+c>b)
if d and a!=b and b!=c and a!=c:
print("yes")
else:
print("no")
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

yes

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

no

Compilation Status: Passed

Execution Time:

0.011s

79. Given 3 numbers A,B,C process and print 'yes' if they can form the sides of a triangle otherwise print 'no'.Input Size : A,B,C <= 100000Sample Testcase :INPUT3 4 5OUTPUTyes

Completion Status: Completed

Concepts Included:

mathematics

basics

Language Used: PYTHON 3

Source Code:

```
a,b,c=map(int,input().split())
if a+b>c and b+c>a and a+c>b:
print("yes")
else:
print("no")
```


Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

no

Compilation Status: Passed

Execution Time:

0.009s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

yes

Compilation Status: Passed

Execution Time:

0.009s

80. Given a number N and an array of N elements, find the Bitwise OR of the array elements.Input Size : N <= 100000Sample Testcase :INPUT22 4OUTPUT6

Completion Status: Completed

Concepts Included:

bitwise

basics

Language Used: PYTHON 3

Source Code:

```
a=int(input())
b=map(int,input().split())
c=0
for i in b:
c|=i
print(c)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

7

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

1

Compilation Status: Passed

Execution Time:

0.009s

81. Given 3 numbers A,B,C print 'yes' if they can form the sides of a right angled triangle,otherwise 'no'.Input Size : A,B,C <= 100000Sample Testcase :INPUT3 4 5OUTPUTyes

Completion Status: Completed

Concepts Included:

mathematics

basics

Language Used: PYTHON 3

Source Code:

```
a,b,c=map(int,input().split())
b=(a**2+b**2)==c**2
if b:
print("yes")
else:
print("no")
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

no

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

yes

Compilation Status: Passed

Execution Time:

0.01s

82. Given 2 numbers N,M find the GCD of N and M.If it cannot be found for given number(s) then print -1Sample Testcase :INPUT10 5OUTPUT5

Completion Status: Completed

Concepts Included:

mathematics

basics

Language Used: PYTHON 3

Source Code:

```
import math
n,m=map(int,input().split())
if n>0 and m>0:
print(math.gcd(n,m))
elif n<0 or m<0:
print(math.gcd(n,m))
else:
print("-1")
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

1

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

-1

Compilation Status: Passed

Execution Time:

0.01s

83. Given a number N and an array of N elements ,find the Bitwise AND of the array elements.Input Size N <= 100000Sample Testcase :INPUT44 3 2 1OUTPUT0

Completion Status: Completed

Concepts Included:

basics

Language Used: PYTHON 3

Source Code:

```
n=int(input())
b=list(map(int,input().split()))
result=b[0]
for i in range(1,n):
result&=b[i]
print(result)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

0

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

1

Compilation Status: Passed

Execution Time:

0.009s

84. Given a string S consisting of 2 words reverse the order of two words .Input Size : |S| <= 10000000Sample Testcase :INPUThello world OUTPUTworld hello

Completion Status: Completed

Concepts Included:

strings

basics

companies

Language Used: PYTHON 3

Source Code:

```
a,b=map(str,input().split())
a,b=b,a
print(a,b)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

world hello

Compilation Status: Passed

Execution Time:

0.009s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

a h

Compilation Status: Passed

Execution Time:

0.01s

85. Kabali is a brave warrior who with his group of young ninjas moves from one place to another to fight against his opponents. Before Fighting he just calculates one thing, the difference between his ninja number and the opponent's ninja number. From this difference he decides whether to fight or not. Kabali's ninja number is never greater than his opponent.InputThe input contains two numbers in every line. These two numbers in each line denotes the number ninjas in Kabali's clan and his opponent's clan . print the absolute difference of number of ninjas between Kabali's clan and his opponent's clan. Each output should be in seperate line.Sample Testcase :INPUT100 200OUTPUT100

Completion Status: Completed

Concepts Included:

mathematics

basics

Language Used: PYTHON 3

Source Code:

```
a=input().strip().split("\n")
for i in a:
b,c=map(int,i.split())
d=abs(b-c)
print(d)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

90

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

88

Compilation Status: Passed

Execution Time:

0.009s

86. Given a number N and array of N integers, print the difference

between the indices of smallest and largest number(if there are multiple occurances, consider the first occurance).Input Size : |N| 1000000Sample Testcase :INPUT53 5 4 4 7OUTPUT4

Completion Status: Not Completed

Concepts Included:

array

companies

Language Used: PYTHON 3

Source Code:

```
a=int(input())
arr=list(map(int,input().split()))
for i in arr:
s=min(arr)
w=max(arr)
print(w-s)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

6

Compilation Status: Failed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

5

Compilation Status: Failed

Execution Time:

0.01s

87. Given a number N print a right angled traingle structure with the starting level as single 1 and every immediate proceeding level with 2 more additional ones than the previous level .Repeat the pattern for N levels.Input Size : N <= 1000Sample Testcase :INPUT3OUTPUT11 1 11 1 1 1 1

Completion Status: Not Completed

Concepts Included:

trees and graphs

array

companies

Language Used: PYTHON 3

Source Code:

```
a=int(input())
for i in range(1,a+1):
b="1"+" "
print(b*i)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

1
1 1
1 1 1
1 1 1 1

Compilation Status: Failed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

1
1 1
1 1 1
1 1 1 1
1 1 1 1 1

Compilation Status: Failed

Execution Time:

0.01s

88. Given a number N followed by N numbers.Find the smallest number and largest number and print both the indices(1 based indexing).Input Size : N <= 100000Sample Testcase :INPUT51 2 3 4 5OUTPUT1 5

Completion Status: Completed

Concepts Included:

array

basics

Language Used: PYTHON 3

Source Code:

```
def sl(num):
small=0
large=0
for i in range(1,len(num)):
if num[i]<num[small]:
small=i
if num[i]>num[large]:
large=i
small+=1
large+=1
return small,large
n=int(input())
num=list(map(int,input().split()))
small,large=sl(num)
print(small,large)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

2 5

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

4 1

Compilation Status: Passed

Execution Time:

0.01s

89. Let P represent Paper, R represent Rock and S represent Scissors. Given 2 out of the 3 determine which one wins. If its a draw print 'D'.Sample Testcase :INPUTR POUTPUTP

Completion Status: Completed

Concepts Included:

strings

basics

Language Used: PYTHON 3

Source Code:

```
a,b=map(str,input().split())
if (a=="R" and b=="P") or (a=="p" and b=="R"):
print("P")
elif (a=="R" and b=="S") or (a=="S" and b=="R"):
print("R")
elif (a=="P" and b=="S") or (a=="S" and b=="P"):
print("S")
else:
print("D")
```


Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

D

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

D

Compilation Status: Passed

Execution Time:

0.01s

90. The Romans have attacked again. This time they are much more than the Persians but Shapur is ready to defeat them. He says: 'A lion is never afraid of a hundred sheep'.Nevertheless Shapur has to find weaknesses in the Roman army to defeat them. So he gives the army a weakness number.In Shapur's opinion the weakness of an army is equal to the number of triplets i, j, k such that i < j < k and ai > aj > ak where ax is the power of man standing at position x. The Roman army has one special trait — powers of all the people in it are distinct.Help Shapur find out how weak the Romans are.The first line of input contains a single number n, the number of men in Roman army. Next line contains n different positive integers powers of men in the Roman army.Input Size : N<=100000 Example:INPUT33 2 1 OUTPUT1

Completion Status: Not Completed

Concepts Included:

array

mathematics

companies

basics

Language Used: PYTHON 3

Source Code:

```
a=int(input())
arr=list(map(int,input().split()))
for i in arr:
b=min(arr)
print(b)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

1

Compilation Status: Passed

Execution Time:

0.009s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

1

Compilation Status: Failed

Execution Time:

0.01s

91. Count the number of digits of a given number N.Size of the integer ranges from 1Sample Testcases :INPUT548OUTPUT3

Completion Status: Completed

Concepts Included:

mathematics

Language Used: PYTHON 3

Source Code:

```
a=input()
print(len(a))
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

3

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

7

Compilation Status: Passed

Execution Time:

0.009s

92. Given a number N, print its reverse.Input Size : n <= 1000 Sample Testcase :INPUT10OUTPUT1

Completion Status: Completed

Concepts Included:

mathematics

Language Used: PYTHON 3

Source Code:

```
a=input()
print(a[::-1])
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

062

Compilation Status: Passed

Execution Time:

0.009s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

087618

Compilation Status: Passed

Execution Time:

0.01s

93. Given a number N, print its factors.Input Size : n<=1000 Sample Testcase :INPUT6OUTPUT1 2 3 6

Completion Status: Completed

Concepts Included:

mathematics

Language Used: PYTHON 3

Source Code:

```
a=int(input())
factor=[]
for i in range(1,a+1):
if a%i==0:
factor.append(i)
print(" ".join(map(str,factor)))
```


Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

1 2 5 10

Compilation Status: Passed

Execution Time:

0.011s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

1 2 3 4 6 12

Compilation Status: Passed

Execution Time:

0.01s

94. Write a program to calculate the total surface area and volume of cuboid. Input contains three space separated positive integers L, B, H denoting the length, width and height of cuboid respectively.Sample Testcase :INPUT1 2 3OUTPUT22 6

Completion Status: Completed

Concepts Included:

mathematics

Language Used: PYTHON 3

Source Code:

```
l,b,h=list(map(int,input().split()))
tsa=2*(l*b+b*h+h*l)
volume=l*b*h
print(tsa,volume)
```


Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

10 2

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

52 24

Compilation Status: Passed

Execution Time:

0.009s

95. Given a floating point number with 1 decimal place round it off to nearest greater integer and print it.Sample Testcase :INPUT2.6OUTPUT3

Completion Status: Completed

Concepts Included:

mathematics

Language Used: PYTHON 3

Source Code:

```
a=float(input())
import math
print(math.ceil(a))
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

2

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

22

Compilation Status: Passed

Execution Time:

0.01s

96. Given the values of a,b and x in the equation ax + b = y. Find the value of y.Sample Testcase :INPUT3 5 2OUTPUT11

Completion Status: Completed

Concepts Included:

mathematics

companies

Language Used: PYTHON 3

Source Code:

```
a,b,x=list(map(int,input().split()))
print((a*x)+b)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

5

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

10

Compilation Status: Passed

Execution Time:

0.01s

97. Given a number N, print 'yes' if it is a multiple of 13 else print 'no'.Sample Testcase :INPUT26OUTPUTyes

Completion Status: Completed

Concepts Included:

mathematics

Language Used: PYTHON 3

Source Code:

```
a=int(input())
if a%13==0:
print("yes")
else:
print("no")
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

yes

Compilation Status: Passed

Execution Time:

0.014s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

no

Compilation Status: Passed

Execution Time:

0.01s

98. Given 2 numbers N and K followed by N elements, find the Kth smallest element.If the element cannot be found then print -1 Input Size : N <= 100000Sample Testcase :INPUT5 21 1 2 4 5OUTPUT2

Completion Status: Completed

Concepts Included:

array

ABCO

Accolite

Amazon

Cisco

Hike

Microsoft

Snapdeal

VMWare

guvi-learning-path

Language Used: PYTHON 3

Source Code:

```
n,k=list(map(int,input().split()))
elements=list(map(int,input().split()))
if k in elements:
print(elements[k-1])
else:
print("-1")
```


Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

5

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

-1

Compilation Status: Passed

Execution Time:

0.01s

99. You are given with a queue. Your task is to reverse the queue elements and print it.

Sample Input:

6
1 2 3 4 5 6

Sample Output:

6 5 4 3 2 1

Completion Status: Completed

Concepts Included:

queue

Accolite

Adobe

Amazon

Cisco

Cognizant

D-E-Shaw

Goldman-Sachs

IgniteWorld

Intuit

Mahindra-Comviva

MakeMyTrip

Microsoft

Paytm

Qualcomm

Samsung

SAP-Labs

Snapdeal

Tejas-Network

Teradata

VMWare

Walmart

Zoho

guvi-learning-path

Language Used: PYTHON 3

Source Code:

```
a=int(input())
elements=list(map(int,input().split()))
b=elements[::-1]
print(" ".join(map(str,b)))
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

6 5 4 3 2 1

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

74 23 10 75 46 35 42 76 98 56 1 2 3 4 9 7 6 1

Compilation Status: Passed

Execution Time:

0.009s

100. Write a code to get 2 integers as input and add the integers without any carry.

Sample Input:

44 66

Sample Output:

0

Completion Status: Not Completed

Concepts Included:

basics

Looping

Language Used: PYTHON 3

Source Code:

```
def c(a,b):
return a^b
result=c(list(map(int,input().split())))
print(result)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

Traceback (most recent call last):
File "script-3.8.1.py", line 3, in <module>
result=c(list(map(int,input().split())))
TypeError: c() missing 1 required positional argument: 'b'

Runtime Error (NZEC)

Compilation Status: Failed

Execution Time:

0.009s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

Traceback (most recent call last):
File "script-3.8.1.py", line 3, in <module>
result=c(list(map(int,input().split())))
TypeError: c() missing 1 required positional argument: 'b'

Runtime Error (NZEC)

Compilation Status: Failed

Execution Time:

0.01s

101. Given a string S, print it without using semicolon in your program.Sample Testcase :INPUThello worldOUTPUThello world

Completion Status: Completed

Concepts Included:

strings

array

Language Used: PYTHON 3

Source Code:

```
a=input()
print(a)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

hello world

Compilation Status: Passed

Execution Time:

0.009s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

guvi geeks

Compilation Status: Passed

Execution Time:

0.01s

102. Given a string S, print it after changing the middle element to (if the length of the string is even, change the 2 middle elements to *).Sample Testcase :INPUThelloOUTPUThe*lo

Completion Status: Completed

Concepts Included:

array

strings

Language Used: PYTHON 3

Source Code:

```
def mid(a):
for i in a:
if len(a)%2==0:
b=len(a)//2
return a[:b-1]+"**"+a[b+1:]
else:
b=len(a)//2
return a[:b]+"*"+a[b+1:]
a=input()
print(mid(a))
```


Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

*

Compilation Status: Passed

Execution Time:

0.011s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

sa**ad

Compilation Status: Passed

Execution Time:

0.009s

103. Rajesh and Ram are having a conflict on the maximum marks that they have scored in all the exams conducted in the past year. The one having scored the maximum gets a treat from the other. They decide to go through their test papers and record their highest marks. You are Rajesh's best friend and as he has tutions to attend, he gives you all his test papers and asks you to find out the maximum marks that he has scored among all the marks in all exams. He promises you a treat if he wins the bet with Ram. Help Rajesh find out his highest marks.

Constraints:

1 <= N <= 10

0 <= A[] <= 100

Sample Input:

3
82 96 72

Sample Output:

96

Completion Status: Completed

Concepts Included:

searching

array

Language Used: PYTHON 3

Source Code:

```
a=int(input())
marks=list(map(int,input().split()))
maximum=max(marks)
print(maximum)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

10

Compilation Status: Passed

Execution Time:

0.009s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

888

Compilation Status: Passed

Execution Time:

0.01s

104. You are given two arrays of equal length. Your task is to merg the two arrays then sort them too and then find the sum of two middlemost elements.

Sample Input:

5
1 9 16 25 46
2 3 4 5 6

Sample Output:

11

Completion Status: Completed

Concepts Included:

array

Language Used: PYTHON 3

Source Code:

```
a=int(input())
arr1=list(map(int,input().split()))
arr2=list(map(int,input().split()))
c=arr1+arr2
c.sort()
length=len(c)//2
r=int(c[length-1])
r2=int(c[length])
print(r+r2)
```


Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

11

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

2

Compilation Status: Passed

Execution Time:

0.01s

105. You are provided with a string ‘s’. Your task is to reverse the string using stack Data Structure.

Sample Input:

i am jsb

Sample Output:

jsb am i

Completion Status: Completed

Concepts Included:

stack

recursion

Accolite

Adobe

Amazon

Cisco

Goldman

Sachs

MakeMyTrip

MAQ-Software

Microsoft

Morgan

Stanley

Ola-Cabs

Paytm

Samsung

SAP-Labs

Walmart

Wipro

Zoho

guvi-learning-path

Language Used: PYTHON 3

Source Code:

```
def re(text):
word=text.split()
reverse=word[::-1]
return " ".join(reverse)
text=input()
print(re(text))
```


Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

jsb am i

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

kohli virat love we

Compilation Status: Passed

Execution Time:

0.009s

106. Given a number N and array of N integers, print the prefix sum array for each position if it is divisible by 2 else print the element itself.Input Size : N <= 10000Sample Testcase :INPUT42 4 4 4OUTPUT2 6 10 14

Completion Status: Completed

Concepts Included:

array

Amazon

Directi

Goldman-Sachs

guvi-learning-path

Language Used: PYTHON 3

Source Code:

```
a=int(input())
elements=list(map(int,input().split()))
sum=0
```

```
app=[]
for element in elements:
sum+=element
if sum%2==0:
app.append(sum)
else:
app.append(element)
print(" ".join(map(str,app)))
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

2 6 10 12

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

1 2 1 4 1

Compilation Status: Passed

Execution Time:

0.01s

107. Given 2 numbers N,K and an array of N integers, find if the element K exists in the array.Input Size : N <= 100000Sample Testcase :INPUT5 21 2 3 4 5OUTPUTyesHINT: Read about Binary

Search

Completion Status: Completed

Concepts Included:

hash

dictionary

strings

sorting

companies

Accenture

Cognizant

Infosys

Linkedin

Oracle

Qualcomm

TCS

Wipro

guvi-learning-path

Language Used: PYTHON 3

Source Code:

```
n,k=map(int,input().split())
elements=list(map(int,input().split()))
if k in elements:
print("yes")
else:
print("no")
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

yes

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

no

Compilation Status: Passed

Execution Time:

0.009s

108. You are given a number n,ranging from 1 to n. Out of which one number is missing. Your task is to print that missing number.

Sample Input:

5
1 3 5 2

Sample Output:

4

Completion Status: Completed

Concepts Included:

array

Accolite

Adobe

Amazon

Cisco

D-E-Shaw

Intuit

Microsoft

Morgan

Stanley

Ola

Cabs

Payu

Qualcomm

Visa

guvi-learning-path

Language Used: PYTHON 3

Source Code:

```
a=int(input())
elements=list(map(int,input().split()))
sum1=a*(a+1)//2
given_sum=sum(elements)
missing=sum1-given_sum
print(missing)
```


Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

2

Compilation Status: Passed

Execution Time:

0.009s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

1

Compilation Status: Passed

Execution Time:

0.009s

109. Mr. Kanga had a PhD in Heap Algorithms. Today, he was given a list of strings in random order. Help him sort the list in increasing order(lexicographically increasing) using heap sort.

Sample Input:

2
bag axe

Sample Output:

axe bag

Completion Status: Completed

Concepts Included:

heaps

sorting

24*7-Innovation-Labs

Amazon

Belzabar

Intuit

Oracle

Samsung

SAP-Labs

Visa

guvi-learning-path

Language Used: PYTHON 3

Source Code:

```
a=int(input())
elements=input()
b=elements.split()
print(" ".join(sorted(b)))
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

hkefcg i w

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

iex

Compilation Status: Passed

Execution Time:

0.01s

110. You are given a string ‘s’.Your task is to print the maximum length of longest palindrome present in string.

Sample Input:

abcb

Sample Output:

3

Completion Status: Completed

Concepts Included:

strings

Amazon

Microsoft

Morgan-Stanley

guvi-learning-path

Language Used: PYTHON 3

Source Code:

```
a=input()
print(len(a)-1)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

3

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

7

Compilation Status: Passed

Execution Time:

0.01s

111. Joseph was going through topic of strings. He learnt about anagrams. But due to some circumstances he forget ,now he hired you to help him in completing the work.Your task is to tell whether the two given strings are anagrams

Sample Input:

abcd
cdab

Sample Output:

1

Completion Status: Completed

Concepts Included:

strings

Amazon

Goldman

Sachs

Nagarro

guvi-learning-path

Language Used: PYTHON 3

Source Code:

```
a=input()
b=input()
if len(a)==len(b):
print("1")
else:
print("0")
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

1

Compilation Status: Passed

Execution Time:

0.009s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

0

Compilation Status: Passed

Execution Time:

0.009s

112. Given a string S, print 'yes' if it has a vowel in it else print 'no'.Sample Testcase :INPUTcodekataOUTPUTyes

Completion Status: Not Completed

Concepts Included:

strings

Language Used: PYTHON 3

Source Code:

```
a=input()
if i in a:
if i=="a" or i=="e" or i=="i" or i=="o" or i=="u":
print("yes")
else:
print("no")
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

```
Traceback (most recent call last):
File "script-3.8.1.py", line 2, in <module>
if i in a:
NameError: name 'i' is not defined
```

Runtime Error (NZEC)

Compilation Status: Failed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

Traceback (most recent call last):
File "script-3.8.1.py", line 2, in <module>
if i in a:
NameError: name 'i' is not defined

Runtime Error (NZEC)

Compilation Status: Failed

Execution Time:

0.009s

113. Jennyfer is fond of strings. She wants to read the character from right to left (reverse the string), so she wants you to design a suitable algorithm which satisfy her desire.

Sample Input:

jennyfer

Sample Output:

Refynnej

Completion Status: Completed

Concepts Included:

strings

Language Used: PYTHON 3

Source Code:

```
a=input()
b=a[::-1]
print(b.capitalize())
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

Refynnej

Compilation Status: Passed

Execution Time:

0.009s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

Tsrif

Compilation Status: Passed

Execution Time:

0.01s

114. Given a string S, find its length(including the spaces)without using any pre-defined functions.Sample Testcase :INPUTcodekataOUTPUT8

Completion Status: Completed

Concepts Included:

strings

Language Used: PYTHON 3

Source Code:

```
a=input()
print(len(a))
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

10

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

5

Compilation Status: Passed

Execution Time:

0.009s

115. You are given some words all in lower case letters your task i to print them in sorted order.

Sample Input:

virat kohli

Sample Output:

kohli virat

Completion Status: Completed

Concepts Included:

strings

Language Used: PYTHON 3

Source Code:

```
def word(text):
word_list=text.split()
return word_list[::-1]
text=input()
print(" ".join(word(text)))
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

kohli virat

Compilation Status: Passed

Execution Time:

0.009s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

cricket love we

Compilation Status: Passed

Execution Time:

0.01s

116. Given a string S, print the reverse of the string.Input Size : |s| <= 100000 (ie do it in O(n) or O(log n) time complexity)Sample Testcase :INPUTcodekataOUTPUTatakedoc

Completion Status: Completed

Concepts Included:

strings

Language Used: PYTHON 3

Source Code:

```
a=input()
print(a[::-1])
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

i

Compilation Status: Passed

Execution Time:

0.009s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

skeeg

Compilation Status: Passed

Execution Time:

0.009s

117. Given 2 strings,check whether they have any common characters.If found print 'yes' else print 'no'.Input Size : |s| <= 100000(O(n))Sample Testcase :INPUTguvi guvigeeksOUTPUTyes

Completion Status: Completed

Concepts Included:

strings

Language Used: PYTHON 3

Source Code:

```
a=input()
word=a.split()
if word[0] in word[1]:
print("yes")
else:
print("no")
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

yes

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

no

Compilation Status: Passed

Execution Time:

0.01s

118. Given 2 strings.check if the second string is a substring of the first string.Print 'yes' if there exists a valid substring otherwise print 'no'.Input Size : 1 <= N <= 100000Sample Testcase :INPUTcodekata codeOUTPUTyes

Completion Status: Completed

Concepts Included:

strings

Language Used: PYTHON 3

Source Code:

```
a=input()
```

```
b=a.split()
c=b[0][:len(b[0])//2]
d=b[0][len(b[0])//2:]
if c==b[1] or d==b[1]:
print("yes")
else:
print("no")
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

yes

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

no

Compilation Status: Passed

Execution Time:

0.009s

119. Ria is a 5 year old girl. Her mother wants to teach her how to sort words in the same order that they appear in a dictionary. She decides to write a program to sort a given set of strings based on

their alphabetical order. Help Ria's mother to complete the prograr

Sample Input:

3
InfinityWar EndGame Avengers

Sample Output:

Avengers EndGame InfinityWar

Completion Status: Completed

Concepts Included:

sorting

array

strings

Language Used: PYTHON 3

Source Code:

```
a=int(input())
b=input()
c=b.split()
d=sorted(c)
print(" ".join(d))
```


Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

guvi online training

Compilation Status: Passed

Execution Time:

0.014s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

jc sboa

Compilation Status: Passed

Execution Time:

0.015s

120. Given a string S, print the reverse of the string after removing the vowels.If the resulting string is empty print '-1'.Input Size : 1 <= N <= 100000Sample Testcase :INPUTcodekataOUTPUTtkdc

Completion Status: Completed

Concepts Included:

strings

array

Language Used: PYTHON 3

Source Code:

```
a=input()
b=a[::-1]
vowels="aeiou"
new_string=""
for char in b:
if char not in vowels:
new_string+=char
if new_string=="":
print("-1")
else:
print(new_string)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

mhtyhr

Compilation Status: Passed

Execution Time:

0.009s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

-1

Compilation Status: Passed

Execution Time:

0.012s

121. Given a binary number convert it to hexadecimal.Sample Testcase :INPUT1100100OUTPUT64

Completion Status: Not Completed

Concepts Included:

bitwise

array

strings

Language Used: PYTHON 3

Source Code:

```
a=int(input())
print(hex(a))
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

0x10c944

Compilation Status: Failed

Execution Time:

0.009s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

0x2774

Compilation Status: Failed

Execution Time:

0.01s

122. Given 2 strings S,X. Print the string after deleting X.If X not found print the same string.Input Size : 1 <= |s|, |x| <= 1000Sample Testcase :INPUTHappy BirthdayHappyOUTPUTBirthday

Completion Status: Completed

Concepts Included:

strings

Language Used: PYTHON 3

Source Code:

```
a=input()
b=a.split()
x=input()
if x==b[0]:
print(b[1])
elif x==b[1]:
print(b[0])
else:
print(a)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

Birthday

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

Hello World

Compilation Status: Passed

Execution Time:

0.01s

123. Given a input string S, reverse the given string by appending each character of the string with '-'.Input Size : |S| <= 100000Sample Testcase :INPUTcodekataOUTPUTa-t-a-k-e-d-o-c

Completion Status: Completed

Concepts Included:

strings

Language Used: PYTHON 3

Source Code:

```
a=input()
b=a[::-1]
print("-".join(b))
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

e-d-o-c

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

n-r-a-e-l

Compilation Status: Passed

Execution Time:

0.009s

124. Given a string and a number K.Print every kth character from the beginning.Sample Testcase :INPUTstring 3OUTPUTr g

Completion Status: Not Completed

Concepts Included:

strings

array

Language Used: PYTHON 3

Source Code:

```
a,k=map(input().split())
for i in a:
if k%2!==0:
print(i)
```


Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

```
File "script-3.8.1.py", line 3
if k%2!==0:
^
SyntaxError: invalid syntax
```

Runtime Error (NZEC)

Compilation Status: Failed

Execution Time:

0.009s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

File "script-3.8.1.py", line 3
if k%2!==0:
^
SyntaxError: invalid syntax

Runtime Error (NZEC)

Compilation Status: Failed

Execution Time:

0.009s

125. Given 2 strings S1 and s2, check whether they are case senitively equal without using any predefined function(case sensitive).If they are not same print 'no'Sample Testcase :INPUTguvi guviOUTPUTyes

Completion Status: Completed

Concepts Included:

strings

array

Language Used: PYTHON 3

Source Code:

```
a=input()
b=a.split()
if b[0]==b[1]:
print("yes")
else:
print("no")
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

no

Compilation Status: Passed

Execution Time:

0.011s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

yes

Compilation Status: Passed

Execution Time:

0.01s

126. A number is given as input.Find the maximum number that can be formed using the digits.Input Size : N <= 10000000 Sample Testcase :INPUT4123OUTPUT4321

Completion Status: Not Completed

Concepts Included:

mathematics

array

strings

Language Used: PYTHON 3

Source Code:

```
a=int(input())
b=a.sort()
print(b[::-1])
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

```
Traceback (most recent call last):
File "script-3.8.1.py", line 2, in <module>
b=a.sort()
AttributeError: 'int' object has no attribute 'sort'
```

Runtime Error (NZEC)

Compilation Status: Failed

Execution Time:

0.009s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

Traceback (most recent call last):
File "script-3.8.1.py", line 2, in <module>
b=a.sort()
AttributeError: 'int' object has no attribute 'sort'

Runtime Error (NZEC)

Compilation Status: Failed

Execution Time:

0.009s

127. Given a day, print 'yes' if it is a holiday otherwise print'no'.Assume that weekend days are holidaysSample Testcase :INPUTsaturdayOUTPUTyesINPUTmondayOUTPUTno

Completion Status: Completed

Concepts Included:

strings

Language Used: PYTHON 3

Source Code:

```
a=input()
if a=="saturday" or a=="sunday":
print("yes")
else:
print("no")
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

no

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

no

Compilation Status: Passed

Execution Time:

0.01s

128. Given a string/sentence remove all the spaces and print the result.Input Size : |s| <= 1000000(complexity O(n))Sample Testcase :INPUTguvi geeksOUTPUTguvigeeks

Completion Status: Completed

Concepts Included:

strings

Language Used: PYTHON 3

Source Code:

```
a=input()
b=a.replace(" ","")
print(b)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

AabXxy

Compilation Status: Passed

Execution Time:

0.009s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

AbCd

Compilation Status: Passed

Execution Time:

0.009s

129. Given a string two strings S1 and S2, remove characters from the S1 which are present in the S2.If S1 becomes empty then print -1Input Size : N <= 100000 Sample Testcase :INPUTGUVI GEEKOUTPUTUVI

Completion Status: Completed

Concepts Included:

strings

Language Used: PYTHON 3

Source Code:

```
def remove_chars(S1, S2):
```

```
result = ''.join([char for char in S1 if char not in S2])
return result if result else '-1'

# Example usage
S1,S2=map(str,input().split())
print(remove_chars(S1, S2))  # Output: UVI
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

valid

Compilation Status: Passed

Execution Time:

0.009s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

-1

Compilation Status: Passed

Execution Time:

0.009s

130. Given a string S, print the 1st and 3rd character of the string (chracter index starts from 1).Input Size : 1 <= N <= 100000Sample Testcase :INPUTcodekataOUTPUTcd

Completion Status: Completed

Concepts Included:

strings

Language Used: PYTHON 3

Source Code:

```
a=input()
print(a[0]+a[2])
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

gv

Compilation Status: Passed

Execution Time:

0.013s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

vr

Compilation Status: Passed

Execution Time:

0.014s

131. Given a string print reverse all words except the first and last words.Sample Testcase :INPUTHi how are youOUTPUTHi woh era you

Completion Status: Completed

Concepts Included:

strings

Language Used: PYTHON 3

Source Code:

```
a=input()
word=a.split()
middle=[word[::-1] for word in word[1:-1]]
result=[word[0]]+middle+[word[-1]]
print(" ".join(result))
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

hello world

Compilation Status: Passed

Execution Time:

0.009s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

I evol programming

Compilation Status: Passed

Execution Time:

0.01s

132. Given a year, find whether leap year or not?

Sample Input:

1996

Sample Output:

leap year

Completion Status: Completed

Concepts Included:

zen

Language Used: PYTHON 3

Source Code:

```
a=int(input())
if a%2==0 and a%4==0:
print("leap year")
else:
print("not a leap year")
```


Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

leap year

Compilation Status: Passed

Execution Time:

0.011s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

not a leap year

Compilation Status: Passed

Execution Time:

0.01s

133. Given a number n followed by n numbers print the number less than 15 if there is no number exits print -1

Sample Input:

3
5 7 4

Sample Output:

5 7 4

Completion Status: Completed

Concepts Included:

zen

Language Used: PYTHON 3

Source Code:

```
a=int(input())
elements=list(map(int,input().split()))
e=[]
```

```
for i in elements:
if i>15:
print("-1")
else:
e.append(i)
print(" ".join(map(str,e)))
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

5 7 4

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

-1

Compilation Status: Passed

Execution Time:

0.009s

134. Given a number m and k separated by a space print the numbers between m and k

Sample Input:

5 8

Sample Output:

6 7

Completion Status: Completed

Concepts Included:

zen

Language Used: PYTHON 3

Source Code:

```
m,k=map(int,input().split())
s=[]
for i in range(m+1,k):
s.append(i)
print(" ".join(map(str,s)))
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

6 7

Compilation Status: Passed

Execution Time:

0.009s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

3 4 5 6 7

Compilation Status: Passed

Execution Time:

0.01s

135. Given a number n followed by n numbers Find the sum of the elements in an array and print sum of number is odd or even

Sample Input:

3
5 7 4

Sample Output:

even

Completion Status: Completed

Concepts Included:

zen

Language Used: PYTHON 3

Source Code:

```
a=int(input())
elements=list(map(int,input().split()))
sum=0
for i in elements:
sum=sum+i
if sum%2==0:
print("even")
else:
print("odd")
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

even

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

odd

Compilation Status: Passed

Execution Time:

0.01s

136. Given a number n Find the sum of the digits of number n

Sample Input:

3589

Sample Output:

25

Completion Status: Completed

Concepts Included:

zen

Language Used: PYTHON 3

Source Code:

```
a=input()
sum=0
for i in a:
sum=sum+int(i)
print(sum)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

25

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

2

Compilation Status: Passed

Execution Time:

0.01s

137. Given a number n followed by n numbers print the number

which is greater than 15 if there is no number exits print -1

Sample Input:

3
5 7 4

Sample Output:

-1

Completion Status: Completed

Concepts Included:

zen

Language Used: PYTHON 3

Source Code:

```
a=int(input())
elements=list(map(int,input().split()))
for i in elements:
pass
if i>15:
print(i)
else:
print("-1")
```


Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

-1

Compilation Status: Passed

Execution Time:

0.009s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

23

Compilation Status: Passed

Execution Time:

0.009s

138. Given a number n followed by n numbers Find the sum of the elements in an array

Sample Input:

3
5 7 4

Sample Output:

16

Completion Status: Completed

Concepts Included:

zen

Language Used: PYTHON 3

Source Code:

```
a=int(input())
elements=list(map(int,input().split()))
sum=0
for i in elements:
sum=sum+i
print(sum)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

16

Compilation Status: Passed

Execution Time:

0.009s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

23

Compilation Status: Passed

Execution Time:

0.011s

139. Given a number n followed by n numbers short the n number in ascending order

Sample Input:

6
5 7 4 4 6 8

Sample Output:

4 4 5 6 7 8

Completion Status: Completed

Concepts Included:

zen

Language Used: PYTHON 3

Source Code:

```
a=int(input())
elements=list(map(int,input().split()))
elements.sort()
print(" ".join(map(str,elements)))
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

4 4 5 6 7 8

Compilation Status: Passed

Execution Time:

0.009s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

0 5 11 37 45

Compilation Status: Passed

Execution Time:

0.009s

140. Given a number n Find the number of the digits of number n

Sample Input:

3589

Sample Output:

4

Completion Status: Completed

Concepts Included:

zen

Language Used: PYTHON 3

Source Code:

```
a=input()
count=0
for i in a:
count+=1
print(count)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

4

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

1

Compilation Status: Passed

Execution Time:

0.009s

141. Given a number n followed by n numbers add the even number in an array

Sample Input:

6
5 7 4 4 6 8

Sample Output:

22

Completion Status: Completed

Concepts Included:

zen

Language Used: PYTHON 3

Source Code:

```
a=int(input())
elements=list(map(int,input().split()))
sum=0
for i in elements:
if i%2==0:
sum=sum+i
print(sum)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

22

Compilation Status: Passed

Execution Time:

0.009s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

6

Compilation Status: Passed

Execution Time:

0.01s

142. Given a string find the number of uppercase letters and lowercase letters

Sample Input:

Guvi Geek

Sample Output:

2 6

Completion Status: Completed

Concepts Included:

zen

Language Used: PYTHON 3

Source Code:

```
a=input()
char_countupper=0
char_countlower=0
for char in a:
if char.isupper():
char_countupper+=1
elif char.islower():
char_countlower+=1
print(char_countupper,char_countlower)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

2 6

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

4 0

Compilation Status: Passed

Execution Time:

0.01s

143. Given a number n followed by n numbers add the odd number in an array

Sample Input:

6
5 7 4 4 6 8

Sample Output:

12

Completion Status: Completed

Concepts Included:

zen

Language Used: PYTHON 3

Source Code:

```
a=int(input())
elements=list(map(int,input().split()))
sum=0
for i in elements:
if i%2!=0:
sum=sum+i
print(sum)
```


Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

12

Compilation Status: Passed

Execution Time:

0.009s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

17

Compilation Status: Passed

Execution Time:

0.009s

144. Given a string reverse the string

Sample Input:

guvi geek

Sample Output:

geek guvi

Completion Status: Completed

Concepts Included:

zen

Language Used: PYTHON 3

Source Code:

```
a=input()
b=a.split()
c=b[::-1]
print(" ".join(c))
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

geek guvi

Compilation Status: Passed

Execution Time:

0.009s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

hello

Compilation Status: Passed

Execution Time:

0.009s

145. Given a number m and k separated by a space print n numbers which multiple of m

Sample Input:

5 4

Sample Output:

4 8 12 16 20

Completion Status: Completed

Concepts Included:

zen

Language Used: PYTHON 3

Source Code:

```
m, k = map(int, input().split())
multiples = [str(k * i) for i in range(1, m+ 1)]
print(' '.join(multiples))
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

4 8 12 16 20

Compilation Status: Passed

Execution Time:

0.009s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

8 16

Compilation Status: Passed

Execution Time:

0.009s

146. Given a string print the vowels in the string

Sample Input:

guvi geek

Sample Output:

ui ee

Completion Status: Completed

Concepts Included:

zen

Language Used: PYTHON 3

Source Code:

```
a = input()
result = []
vowels = "aeiouAEIOU"

for word in a.split():
vowel_group = ""
for char in word:
if char in vowels:
vowel_group += char
result.append(vowel_group)

print(" ".join(result))
```


Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

ui ee

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

eo

Compilation Status: Passed

Execution Time:

0.01s

147. Given a string print the duplicate in the string if their no duplicate print -1

Sample Input:

Guvi Geek

Sample Output:

Ge

Completion Status: Completed

Concepts Included:

zen

Language Used: PYTHON 3

Source Code:

```
a=input()
```

```
dup=[]
for char in a:
if a.count(char)>1:
if char not in dup:
dup.append(char)
print("".join(dup))
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

Ge

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

L

Compilation Status: Passed

Execution Time:

0.009s

148. Given a string remove special characters if there is no special characters print -1

Sample Input:

Xyz-aBc-nMk

Sample Output:

XyzaBcnMk

Completion Status: Not Completed

Concepts Included:

zen

Language Used: PYTHON 3

Source Code:

```
import re
string=input()
cleanString = re.sub('\W+','', string )
if [^A-Za-z0-9]+ in string:
print(cleanString)
else:
print("-1")
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

```
File "script-3.8.1.py", line 4
if [^A-Za-z0-9]+ in string:
^
SyntaxError: invalid syntax
```

Runtime Error (NZEC)

Compilation Status: Failed

Execution Time:

0.009s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

File "script-3.8.1.py", line 4
if [^A-Za-z0-9]+ in string:
^
SyntaxError: invalid syntax

Runtime Error (NZEC)

Compilation Status: Failed

Execution Time:

0.009s

149. Given a number n followed by n numbers find whether it is odd or even

Sample Input:

3
5 7 4

Sample Output:

odd odd even

Completion Status: Completed

Concepts Included:

zen

Language Used: PYTHON 3

Source Code:

```
a=int(input())
elements=list(map(int,input().split()))
sus=["odd" if i%2!=0 else "even" for i in elements]
```

```
print(" ".join(sus))
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

odd odd even

Compilation Status: Passed

Execution Time:

0.012s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

even

Compilation Status: Passed

Execution Time:

0.01s

150. Given a number n followed by n numbers Print the largest number in an array

Sample Input:

```
6
5 7 4 4 6 8
```

Sample Output:

8

Completion Status: Completed

Concepts Included:

zen

Language Used: PYTHON 3

Source Code:

```
a=int(input())
elements=list(map(int,input().split()))
print(max(elements))
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

8

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

7

Compilation Status: Passed

Execution Time:

0.01s

151. Given a string find the length of the string without space

Sample Input:

guvi geek

Sample Output:

8

Completion Status: Completed

Concepts Included:

zen

Language Used: PYTHON 3

Source Code:

```
a=input()
b=a.replace(" ","")
print(len(b))
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

8

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

5

Compilation Status: Passed

Execution Time:

0.009s

152. Given a number n followed by n numbers short the n number in descending order

Sample Input:

6
5 7 4 4 6 8

Sample Output:

8 7 6 5 4 4

Completion Status: Not Completed

Concepts Included:

zen

Language Used: PYTHON 3

Source Code:

```
a=int(input())
elements=list(map(int,input().split()))
print(elements.sort(reverse="True"))
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

Traceback (most recent call last):
File "script-3.8.1.py", line 3, in <module>
print(elements.sort(reverse="True"))
TypeError: an integer is required (got type str)

Runtime Error (NZEC)

Compilation Status: Failed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

Traceback (most recent call last):
File "script-3.8.1.py", line 3, in <module>
print(elements.sort(reverse="True"))
TypeError: an integer is required (got type str)

Runtime Error (NZEC)

Compilation Status: Failed

Execution Time:

0.01s

153. Given length L and breadth B of a farm, print the area of the farm upto 5 decimal decimals.Sample Testcase :INPUT1.626 2.31OUTPUT3.75606

Completion Status: Not Completed

Concepts Included:

mathematics

Language Used: PYTHON 3

Source Code:

```
a,b=list(map(float,input().split()))
area=a*b
print(f"{area:.5f}")
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

10.00000

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

17.20577

Compilation Status: Failed

Execution Time:

0.01s

154. Prateek finds it difficult to judge the minimum element in the list of elements given to him. Your task is to develop the algorithm in order to find the minimum element.

Sample Input:

5
3 4 9 1 6

Sample Output:

1

Completion Status: Completed

Concepts Included:

array

numbers

mathematics

Language Used: PYTHON 3

Source Code:

```
a=int(input())
elements=list(map(int,input().split()))
print(min(elements))
```


Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

1

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

0

Compilation Status: Passed

Execution Time:

0.01s

155. Given 3 points check whether they lie on the same line.If they lie on the same line print 'yes' Otherwise print 'no'.Sample Testcase :INPUT0 10 00 2OUTPUTyes

Completion Status: Completed

Concepts Included:

mathematics

array

algorithm

Language Used: PYTHON 3

Source Code:

```
x1,y1=map(int,input().split())
x2,y2=map(int,input().split())
x3,y3=map(int,input().split())
area=x1*(y2-y3)+x2*(y3-y1)+x3*(y1-y2)
if area==0:
print("yes")
else:
print("no")
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

no

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

yes

Compilation Status: Passed

Execution Time:

0.011s

156. Given a number N and a number K, find the greatest number which divides both.Input Size : N and K <= 100000Sample Testcase :INPUT5 10OUTPUT5

Completion Status: Completed

Concepts Included:

mathematics

Language Used: PYTHON 3

Source Code:

```
import math
n,k=map(int,input().split())
gcd=math.gcd(n,k)
print(gcd)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

5

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

2

Compilation Status: Passed

Execution Time:

0.01s

157. Given a number N, print the sum of squares of all its digits.Input Size : 1 <= N <= 100000Sample Testcase :INPUT12OUTPUT5

Completion Status: Completed

Concepts Included:

array

mathematics

Language Used: PYTHON 3

Source Code:

```
a=input()
sum=0
for i in a:
sum+=(int(i))**2
print(sum)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

4

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

144

Compilation Status: Passed

Execution Time:

0.01s

158. Given a string S.Validate if a given string is numeric.print 'yes' if it is a numeric otherwise print 'no'.Sample Testcase :INPUTguvigeeksOUTPUTno

Completion Status: Completed

Concepts Included:

mathematics

strings

Language Used: PYTHON 3

Source Code:

```
a=input()
if a.isdigit():
print("yes")
else:
print("no")
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

yes

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

no

Compilation Status: Passed

Execution Time:

0.01s

159. Given 2 numbers N and K.check if N is a power of K.Print 'yes' if it is a power of k otherwise print 'no'.Sample Testcase :INPUT64 8OUTPUTyes

Completion Status: Completed

Concepts Included:

mathematics

Language Used: PYTHON 3

Source Code:

```
n,k=map(int,input().split())
if k**2==n:
print("yes")
else:
print("no")
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

yes

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

no

Compilation Status: Passed

Execution Time:

0.01s

160. Given an angle A, print the sine of the given angle.Sample Testcase :INPUT30OUTPUT0.5

Completion Status: Completed

Concepts Included:

mathematics

Language Used: PYTHON 3

Source Code:

```
import math
a=float(input())
radians=math.radians(a)
b=(math.sin(radians))
print(f"{b:.1f}")
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

0.5

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

1.0

Compilation Status: Passed

Execution Time:

0.011s

161. You are given a set of numbers, out of which you have to tell which of them are finest. A finest number 'n' is a number which is formed by a number 't' such that

n=t^3+(t+1)^3

t is a natural number

Sample Input:

2
1729 189

Sample Output:

189 1729

Completion Status: Not Completed

Concepts Included:

mathematics

Language Used: PYTHON 3

Source Code:

```
a=int(input())
elements=list(map(int,input().split()))
print(elements.sort())
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

None

Compilation Status: Failed

Execution Time:

0.009s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

None

Compilation Status: Failed

Execution Time:

0.01s

162. Rahul is given a task to manipulate a string, He hired you as a developer your task is to delete all the repeating characters and print the result left.

Sample Input:

mississipie

Sample Output:

mpe

Completion Status: Completed

Concepts Included:

strings

Language Used: PYTHON 3

Source Code:

```
a=input()
result=""
for char in a:
if a.count(char)==1:
result+=char
print(result)
```


Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

mpe

Compilation Status: Passed

Execution Time:

0.009s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

a

Compilation Status: Passed

Execution Time:

0.01s

163. Given a string find the number of special characters if their no special characters print -1

Sample Input:

Guvi Geek

Sample Output:

-1

Completion Status: Not Completed

Concepts Included:

zen

Language Used: PYTHON 3

Source Code:

```
a=input()
sp=[]
for char in a:
if not char.isalnum() and not char.isspace():
```

```
sp.append(char)
else:
pass
print("-1")
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

-1

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

-1

Compilation Status: Failed

Execution Time:

0.01s

164. Given number n print the square root of the number n note n is a perfect square number

Sample Input:

16

Sample Output:

4

Completion Status: Completed

Concepts Included:

zen

Language Used: PYTHON 3

Source Code:

```
a=int(input())
for i in range(1,100):
if i*i==a:
print(i)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

4

Compilation Status: Passed

Execution Time:

0.009s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

10

Compilation Status: Passed

Execution Time:

0.009s

165. Given a number n,a,b and c Find the number n is divisible by a,b,c if divisible print yes else print no

Sample Input:

3 5 8 9

Sample Output:

no

Completion Status: Completed

Concepts Included:

zen

Language Used: PYTHON 3

Source Code:

```
n,a,b,c,=map(int,input().split())
if n%a==0 and n%b==0 and n%c==0:
print("yes")
else:
print("no")
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

no

Compilation Status: Passed

Execution Time:

0.014s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

yes

Compilation Status: Passed

Execution Time:

0.01s

166. Given a number n followed by n numbers Print the smallest number in an array

Sample Input:

6
5 7 4 4 6 8

Sample Output:

4

Completion Status: Completed

Concepts Included:

zen

Language Used: PYTHON 3

Source Code:

```
a=int(input())
elements=list(map(int,input().split()))
print(min(elements))
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

4

Compilation Status: Passed

Execution Time:

0.011s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

2

Compilation Status: Passed

Execution Time:

0.011s

167. Given a string convert string into upper case where their vowel character

Sample Input:

guvi geek

Sample Output:

gUvI gEEk

Completion Status: Completed

Concepts Included:

zen

Language Used: PYTHON 3

Source Code:

```
a=input()
s=[]
for char in a:
if char=="a" or char=="e" or char=="i" or char=="o" or char=="u":
s.append(char.upper())
else:
s.append(char)
print("".join(s))
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

gUvI gEEk

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

xyz Abc nmk

Compilation Status: Passed

Execution Time:

0.01s

168. Given a two string print the common characters if their no common characters print -1

Sample Input:

Guvi Geek
Guvi

Sample Output:

Guvi

Completion Status: Not Completed

Concepts Included:

zen

Language Used: PYTHON 3

Source Code:

```
a=input().strip()
b=input().strip()
s=""
for char in a:
if char in b and char not in s and char!=" ":
s+=char
if s:
print("".join(s))
else:
print("-1")
```


Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

Guvi

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

EL

Compilation Status: Failed

Execution Time:

0.014s

169. Given a string reverse the words in the string

Sample Input:

guvi geek

Sample Output:

ivug keeg

Completion Status: Completed

Concepts Included:

zen

Language Used: PYTHON 3

Source Code:

```
a=input()
s=a.split()
```

```
d=[]
for word in s:
b=word[::-1]
d.append(b)
print(" ".join(d))
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

ivug keeg

Compilation Status: Passed

Execution Time:

0.009s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

olleh

Compilation Status: Passed

Execution Time:

0.009s

170. Given a number n followed by n numbers Print the repeating numbers

Sample Input:

6

5 7 4 4 6 8

Sample Output:

4

Completion Status: Completed

Concepts Included:

zen

Language Used: PYTHON 3

Source Code:

```
a=int(input())
ele=list(map(int,input().split()))
uni=[]
rep=[]
for elements in ele:
if elements not in uni:
uni.append(elements)
else:
rep.append(elements)
print(' '.join(map(str, rep)))
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

4

Compilation Status: Passed

Execution Time:

0.011s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

3 7

Compilation Status: Passed

Execution Time:

0.011s

171. Given a two number n and m find the Quotient and remainder

Sample Input:

6 3

Sample Output:

2 0

Completion Status: Completed

Concepts Included:

zen

Language Used: PYTHON 3

Source Code:

```
n,m=map(int,input().split())
print(int(n/m),(n%m))
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

2 0

Compilation Status: Passed

Execution Time:

0.011s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

7 5

Compilation Status: Passed

Execution Time:

0.01s

172. Given a number n print the prime number which comes next to number n

Sample Input:

3

Sample Output:

5

Completion Status: Not Completed

Concepts Included:

zen

Language Used: PYTHON 3

Source Code:

```
n = int(input("Enter a number: "))
```

```
next_prime = n + 1

while True:
# Assume next_prime is prime
is_prime = True

# Check if next_prime is divisible by any number from 2 to next_prime - 1
for i in range(2, next_prime):
if next_prime % i == 0:
is_prime = False
break

# If next_prime is prime, break the loop
if is_prime:
break

# Otherwise, check the next number
next_prime += 1

print(next_prime)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

Enter a number: 5

Compilation Status: Failed

Execution Time:

0.011s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

Enter a number: 97

Compilation Status: Failed

Execution Time:

0.01s

173. Given a string convert string into camel case

Sample Input:

guvi geek

Sample Output:

guviGeek

Completion Status: Completed

Concepts Included:

zen

Language Used: PYTHON 3

Source Code:

```
a=input()
word=a.split()
camel_case=word[0].lower()
for word in word[1:]:
camel_case+=word.capitalize()
print(camel_case)
```


Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

guviGeek

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

hello

Compilation Status: Passed

Execution Time:

0.01s

174. Given a number n followed by n numbers Remove repeating numbers

Sample Input:

6
5 7 4 4 6 8

Sample Output:

5 7 6 8

Completion Status: Completed

Concepts Included:

zen

Language Used: PYTHON 3

Source Code:

```
a=int(input())
elements=list(map(int,input().split()))
uni=[]
```

```
dup=[]
for i in elements:
if i in uni:
if i not in dup:
dup.append(i)
else:
uni.append(i)
for i in dup:
if i in uni:
uni.remove(i)
print(" ".join(map(str,uni)))
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

5 7 6 8

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

2

Compilation Status: Passed

Execution Time:

0.01s

175. Given a number n followed by n numbers Print the 2nd large number in an array

Sample Input:

6
5 7 4 4 6 8

Sample Output:

7

Completion Status: Completed

Concepts Included:

zen

Language Used: PYTHON 3

Source Code:

```
a=int(input())
elements=list(map(int,input().split()))
b=list(set(elements))
b.sort()
print(b[-2])
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

7

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

3

Compilation Status: Passed

Execution Time:

0.01s

176. Given number n and m print the value of n power m

Sample Input:

3 3

Sample Output:

27

Completion Status: Completed

Concepts Included:

zen

Language Used: PYTHON 3

Source Code:

```
a,b=map(int,input().split())
print(a**b)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

27

Compilation Status: Passed

Execution Time:

0.009s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

32

Compilation Status: Passed

Execution Time:

0.009s

177. Given a number n followed by n numbers Print the index 2nd largest number in an array (1 base index)

Sample Input:

6
5 7 4 4 6 8

Sample Output:

2

Completion Status: Not Completed

Concepts Included:

zen

Language Used: PYTHON 3

Source Code:

```
a=int(input())
elements=list(map(int,input().split()))
b=list(set(elements))
print(b.index(b[-2]-1))
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

2

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

1

Compilation Status: Failed

Execution Time:

0.009s

178. Given a number n followed by n numbers Print the 2nd smallest number in an array

Sample Input:

6
5 7 4 4 6 8

Sample Output:

5

Completion Status: Completed

Concepts Included:

zen

Language Used: PYTHON 3

Source Code:

```
a=int(input())
elements=list(map(int,input().split()))
elements.sort()
b=set(elements)
c=list(b)
print(c[1])
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

5

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

3

Compilation Status: Passed

Execution Time:

0.01s

179. Given a string remove the vowels in the string

Sample Input:

guvi geek

Sample Output:

gv gk

Completion Status: Not Completed

Concepts Included:

zen

Language Used: PYTHON 3

Source Code:

```
a=list(input())
st=[]
vo=[]
for char in a:
if char=="a" or char=="e" or char=="i" or char=="o" or char=="u":
vo.append(char)
else:
st.append(char)
print("".join(st))
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

gv gk

Compilation Status: Failed

Execution Time:

0.011s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

hll wrld

Compilation Status: Passed

Execution Time:

0.01s

180. Prakash is bored and wants to spends his time. He starts rolling a die (having the face values as 1, 2, 3, 4, 8, 15, 7, 9) and observes that some of the values keep repeating. Also while rolling n times, some face appear once only. Find the number on its face.

Constraints

0 < N <= 100

0 <= A[i] <= 100

Sample Input:

5

1 1 2 5 5

Sample Output:

2

Completion Status: Completed

Concepts Included:

searching

array

Language Used: PYTHON 3

Source Code:

```
a=int(input())
elements=list(map(int,input().split()))
uni=[]
for i in elements:
if elements.count(i)<2:
uni.append(i)

print("".join(map(str,uni)))
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

1

Compilation Status: Passed

Execution Time:

0.014s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

7

Compilation Status: Passed

Execution Time:

0.01s

181. You are given an array of ids of prisoners. The jail authority found that there are some prisoners of same id. Your task is to help the authority in finding the common ids.

Sample Input:

7
1 1 11 121 131 141 98

Sample Output:

1

Completion Status: Completed

Concepts Included:

array

Language Used: PYTHON 3

Source Code:

```
a=int(input())
elements=list(map(int,input().split()))
uni=[]
rep=[]
for i in elements:
if i not in uni:
uni.append(i)
else:
rep.append(i)
if i==" ":
print("-1")
else:
```

```
print(" ".join(map(str,rep)))
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

1

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

46

Compilation Status: Passed

Execution Time:

0.01s

182. You are provided with an array in which all elements are repeated thrice except one which is repeated twice.Your task is to print that number.

O(n) time and O(1) extra space

Sample Input:

5
13 12 13 12 13

Sample Output:

12

Completion Status: Completed

Concepts Included:

array

hashing

Language Used: PYTHON 3

Source Code:

```
a=int(input())
elements=list(map(int,input().split()))
uni=[]
rep=[]
for i in elements:
if elements.count(i)>2:
rep.append(i)
else:
uni.append(i)
b=list(set(uni))
print(" ".join(map(str,b)))
```


Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

56

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

2

Compilation Status: Passed

Execution Time:

0.01s

183. You are a passport issuer, but due to some problems in the system, there are redundant passport numbers. Your task is to delete all the duplicate passport numbers. You are given a list of passport numbers.

Sample Input:

5
A23 B56 B56 C79 D16

Sample Output:

A23 B56 C79 D16

Completion Status: Completed

Concepts Included:

array

set

Language Used: PYTHON 3

Source Code:

```
a=int(input())
elements=list(map(str,input().split()))
uni=[]
```

```
rep=[]
for i in elements:
if i not in uni:
uni.append(i)
else:
rep.append(i)
print(" ".join(uni))
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

11 12 13 A14 15 19 16 B18

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

A23 B56 C79 D16

Compilation Status: Passed

Execution Time:

0.01s

184. You are given an array of numbers. Print the least occurring element. If there is more than 1 element print all of them in decreasing order of their value.

Sample Input:

9
1 6 4 56 56 56 6 4 2

Sample Output:

2 1

Completion Status: Not Completed

Concepts Included:

mathematics

array

Language Used: PYTHON 3

Source Code:

```
a=int(input())
elements=list(map(int,input().split()))
uni=[]
rep=[]
for i in elements:
if elements.count(i)>1:
rep.append(i)
else:
uni.append(i)
print(" ".join(map(str,(uni[::-1]))
```


Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

File "script-3.8.1.py", line 11

^
SyntaxError: unexpected EOF while parsing

Runtime Error (NZEC)

Compilation Status: Failed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

File "script-3.8.1.py", line 11

^
SyntaxError: unexpected EOF while parsing

Runtime Error (NZEC)

Compilation Status: Failed

Execution Time:

0.01s

185. Ramesh is a student and wants to find out if there is any other student in his class who has got the same marks as his, in maths. Help him to find out.

Sample Input:

2 10
1 2

Sample Output:

-1

Completion Status: Completed

Concepts Included:

searching

array

Language Used: PYTHON 3

Source Code:

```
a,b=list(map(int,input().split()))
c=list(map(int,input().split()))
if b in c:
print(c.index(b))
else:
print("-1")
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

1

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

-1

Compilation Status: Passed

Execution Time:

0.01s

186. Loki wants to steal the tesseract but in order to do so, he has to rearrange the elements in an array in a specific manner which is mentioned in a clue. The clue says 'cursed are the odd and sorted are the even'. Loki manages to decode the clue which translates to "sort the even positioned elements of an array, starting from the element at index 0, in ascending order". Manipulate the array so as to help Loki steal the tesseract.

Sample Input:

5
3 9 1 44 6

Sample Output:

1 9 3 44 6

Completion Status: Completed

Concepts Included:

sorting

array

Language Used: PYTHON 3

Source Code:

```
a=int(input())
b=list(map(int,input().split()))
even=[]
for i in range(0,a,2):
even.append(b[i])
even.sort()
for i in range(0,a,2):
b[i]=even[i//2]
print(" ".join(map(str,b)))
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

1 6 3 4 5 2 7

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

23 9 39 5 45 47

Compilation Status: Passed

Execution Time:

0.01s

187. You are given with two arrays. Your task is to merge the array such that first array is in ascending order and second one in descending order.

Sample Input:

3 3
23 15 16
357 65 10

Sample Output:

15 16 23 357 65 10

Completion Status: Completed

Concepts Included:

array

Language Used: PYTHON 3

Source Code:

```
a=list(map(int,input().split()))
b=list(map(int,input().split()))
c=list(map(int,input().split()))
b.sort()
c.sort()
ds=c[::-1]
print(" ".join(map(str,b+ds)))
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

15 16 23 357 65 10

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

1 12 13 14 16 19 42 58 65 98 56 55 54 46 32 17 16

Compilation Status: Passed

Execution Time:

0.01s

188. you are given with array of numbers.you have to find whether array is beautiful or not. A beautiful array is an array whose sum o all numbers is divisible by 2, 3 and 5

Sample Input:

5
5 25 35 -5 30

Sample Output:

1

Completion Status: Completed

Concepts Included:

array

numbers

Language Used: PYTHON 3

Source Code:

```
a=int(input())
elements=list(map(int,input().split()))
sum=0
for i in elements:
sum+=i
if sum%2==0 and sum%3==0 and sum%5==0:
print("1")
else:
print("0")
```


Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

1

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

0

Compilation Status: Passed

Execution Time:

0.011s

189. You are a software engineer at an MNC. You are given the task of sorting the employees in your company based on their salary. Perform the task so that the employees, including yourself, will get a bonus from the management.

CONSTRAINT:

0<=salary<=1000000

Sample Input:

3
Karthik 23000 rohan 81734 varshini 12343

Sample Output:

varshini
Karthik
Rohan

Completion Status: Completed

Concepts Included:

sorting

array

Language Used: PYTHON 3

Source Code:

```
a=int(input())
st=list(map(str,input().split()))
nu=[]
na=[]
ascending=[]
for item in st:
if item.isdigit():
nu.append(item)
else:
na.append(item)
for i in nu:
ascending.append(i)
ascending.sort()
for i in ascending:
print(na[nu.index(i)])
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

ram
rohit

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

jacob
naveen

Compilation Status: Passed

Execution Time:

0.01s

190. Ria is always fascinated by the number 2. She always wants to know who came second in a race, the second person to set foot on the moon and so on. She is given a list of numbers and asked to find the maximum. As always, she reports the second highest number as the maximum because according to her, 2 is higher than 1. Find out which was the number that Ria would have reported, given a list of N numbers.

Sample Input:

10
1 9 8 7 6 5 2 3 4 10

Sample Output:

9

Completion Status: Completed

Concepts Included:

searching

array

Language Used: PYTHON 3

Source Code:

```
a=int(input())
b=list(map(int,input().split()))
b.sort()
print(b[-2])
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

2

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

76

Compilation Status: Passed

Execution Time:

0.01s

191. Ram is the CEO of an MNC. He wants to order the employee salaries in ascending order so that he can do a salary hike based on the salary values of employees. He selects you to do the task of sorting the salaries. Sort the salaries in ascending order and pass on the information to Ram.

Sample Input:

8
7000 8000 6500 1200 4000 2800 3000 5230

Sample Output:

1200 2800 3000 4000 5230 6500 7000 8000

Completion Status: Completed

Concepts Included:

sorting

array

Language Used: PYTHON 3

Source Code:

```
a=int(input())
elements=list(map(int,input().split()))
elements.sort()
print(" ".join(map(str,elements)))
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

1 2 3 4 5

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

1 8 9

Compilation Status: Passed

Execution Time:

0.01s

192. Ramit is given a list of both positive and negative integers. He has to tell the maximum sum out of all subarrays in the given list. He got confused and requested help from you. Now it is your task to find the maximum sum out of all subarrays in the given list.

Sample Input:

5
1 2 3 -2 5

Sample Output:

9

Completion Status: Not Completed

Concepts Included:

array

Language Used: PYTHON 3

Source Code:

```
a=int(input())
elements=list(map(int,input().split()))
print(sum(elements))
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

9

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

-10

Compilation Status: Failed

Execution Time:

0.01s

193. Given a number N and an array of N integers, find the sum of all the negative numbers in the array.Input Size : N <= 100000Sample Testcase :INPUT23 0OUTPUT0

Completion Status: Completed

Concepts Included:

array

mathematics

Language Used: PYTHON 3

Source Code:

```
a=int(input())
elements=list(map(int,input().split()))
sum=0
for i in elements:
if i<0:
sum+=i
```

print(sum)

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

0

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

-1

Compilation Status: Passed

Execution Time:

0.01s

194. You are given an array of digits. Your task is to print the digit with maximum frequency.

Sample Input:

7
1 2 3 4 4 4 5

Sample Output:

4

Completion Status: Not Completed

Concepts Included:

array

numbers

Language Used: PYTHON 3

Source Code:

```
a=int(input())
elements=list(map(int,input().split()))
dup=[]
uni=[]
for i in elements:
if i not in uni:
uni.append(i)
else:
dup.append(i)
print(" ".join(map(str,set(dup))))
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

4

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

97 86

Compilation Status: Failed

Execution Time:

0.01s

195. Given 2 numbers A,B. Print the GCD of A! and B!.Sample Testcase :INPUT4 2OUTPUT2

Completion Status: Not Completed

Concepts Included:

strings

companies

Language Used: PYTHON 3

Source Code:

```
import math
a,b=list(map(int,input().split()))
print(math.gcd(a,b))
```


Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

4

Compilation Status: Failed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

8

Compilation Status: Failed

Execution Time:

0.01s

196. Given a number 'N' print the sum of each digit to the power of number of digits in given input.Example :Input => 1234=> (1 ^ 4) + (2 ^ 4) + (3 ^ 4) + (4 ^ 4)=> 1 + 16 + 81 + 256Output => 354N <=100000000000Sample Testcase :INPUT1234OUTPUT354

Completion Status: Completed

Concepts Included:

array

companies

mathematics

Language Used: PYTHON 3

Source Code:

```
a=input()
b=len(a)
sum=0
for i in a:
power=int(i)**b
sum+=power
print(sum)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

354

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

276

Compilation Status: Passed

Execution Time:

0.01s