Codekata Report:

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:

```
A = input()
print(A)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

2

Compilation Status: Passed

Execution Time:

0.009s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

4

Compilation Status: Passed

Execution Time:

0.009s

2. 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:

0.009s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

1

Compilation Status: Passed

Execution Time:

0.009s

3. 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:

```
def factorial(n):
return 1 if (n==1 or n==0) else n * factorial(n-1)

num = int(input())
result= factorial(num)
print(result)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

24

Compilation Status: Passed

Execution Time:

0.009s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

6

Compilation Status: Passed

Execution Time:

0.009s

4. 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:

```
code = input()
print(code)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

2 3 4 5 6 7 8

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

12 13 14 15 16 17 18

Compilation Status: Passed

Execution Time:

0.01s

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:

0.009s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

4 2
1 4 3 2

Compilation Status: Passed

Execution Time:

0.01s

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:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

```
1 3
2 3
4 5
```

Compilation Status: Passed

Execution Time:

0.01s

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 = input()
B = input()
C = input()

print(A, B, C)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

2 4 5

Compilation Status: Passed

Execution Time:

0.01s

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:

```
x = input()
y = input()
z = input()
```

```
print(x)
print(y)
print(z)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

```
2 5
2 5 6
2 4 5
```

Compilation Status: Passed

Execution Time:

0.009s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

```
1 2
1 2 4
1 2 3
```

Compilation Status: Passed

Execution Time:

0.009s

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()
for i in a [:len(a)-1]:
print(i, end=" ")
print(a[len(a)-1])
```

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:

0.012s

10. 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()
for i in a.split(" "):
print(i)
'''

x = input().split()
for i in x:
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:

0.015s

11. 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)'''



s = input()
for i in s:
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:

0.01s

12. 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()
for i in a[:len(a)-1]:
print(i, end=",")
print(a[len(a)-1])'''
```

```
user_input = input()
for i in user_input[:len(user_input)-1]:
print(i, end = ',')
print(user_input[len(user_input)-1])
```

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:

h,e,l,l,o

Compilation Status: Passed

Execution Time:

0.01s

13. 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")
else :
print ("Odd")
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

Even

Compilation Status: Passed

Execution Time:

0.011s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

Odd

Compilation Status: Passed

Execution Time:

0.009s

14. 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 = float(input())
fahrenheit = (a * 1.8) + 32
```

```
print(round(fahrenheit,2))
```

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:

0.009s

15. 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:

```
num1, num2 = list(map(int, input().split()))
print(min(num1, num2))
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

2

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

32

Compilation Status: Passed

Execution Time:

0.01s

16. 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:

```
p, i, t = list(map(float, input().split()))
simple_interest = ((p*i*t)/100)
print(round(simple_interest,2))
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

100.0

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

112.2

Compilation Status: Passed

Execution Time:

0.009s

17. 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

18. 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:

```
multiples = []
a = int(input())
for i in range(1,4):
multiples.append(a*i)
print(*multiples)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

2 4 6

Compilation Status: Passed

Execution Time:

0.009s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

4 8 12

Compilation Status: Passed

Execution Time:

0.009s

19. 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%4 == 0 and a%100!=0) or (a%400 == 0):
print("Y")
else:
print("N")
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

N

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

Y

Compilation Status: Passed

Execution Time:

0.01s

20. You are given the coefficients of a quadratic equation in order A, B & C.

Where A is the coefficient of X2, B is the coefficient of X and C is the constant term in the most simplified form.

Example: For X2 + 5X + 6 = 0, you are given the input as: 1 5 6.

Write a program to find all of the roots of the quadratic.

Note: The output should be up to 2nd decimal place (round off if needed) and in case of a recurring decimal use braces i.e. for eg: 0.33333..... => 0.33.

Note: Use Shri Dharacharya's Method to solve i.e. X = {-b + √(b² - 4ac) } / 2a & {-b-√(b² -4ac)} / 2a

Sample Input:

1 5 6

Sample Output:

-2.00
-3.00

Completion Status: Completed

Concepts Included:

absolute beginner

Language Used: PYTHON 3

Source Code:

```
a,b,c =map(int, input().split())
d = ((b**2)-(4*a*c))**0.5
m = (d-b)/(2*a)
n = -(d+b)/(2*a)
print(f'{m:.2f}')
print(f'{n:.2f}')
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

```
1.0
-3.0
```

Compilation Status: Failed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

```
0.33
-1.0
```

Compilation Status: Failed

Execution Time:

0.01s

21. 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:

```
n = input()
for i in range(1,6):
print(n)
```

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:

0.01s

22. 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:

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

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

324

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

0

Compilation Status: Passed

Execution Time:

0.01s

23. 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 = int(input())
s = (1/4)*((3**0.5)*(a**2))
print(round(s, 2))
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

173.21

Compilation Status: Passed

Execution Time:

0.009s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

4243.96

Compilation Status: Passed

Execution Time:

0.009s

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())
print(max(a, b, c))
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

3

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

0

Compilation Status: Passed

Execution Time:

0.01s

25. 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:

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

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

5050

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

1225

Compilation Status: Passed

Execution Time:

0.01s

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()
list1 = a. split()
new = ". join(list1)
print(len(new))
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

10

Compilation Status: Passed

Execution Time:

0.009s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

4

Compilation Status: Passed

Execution Time:

0.009s

27. 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:

```
n = int(input())
for i in range(1,n+1):
if i%2==0:
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:

0.01s

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

28. 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:

0.009s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

27

Compilation Status: Passed

Execution Time:

0.009s

29. 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()
print(a[::-1])
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

elgooG

Compilation Status: Passed

Execution Time:

0.009s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

koobecaf

Compilation Status: Passed

Execution Time:

0.009s

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:

```
n = int(input())
for i in range(n,0,-1):
print(i)
```

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
77
76
75
74
73
72
71
70
69
68
67
66
65
64
63
62
61
60
59
58
57
56
55
54
53
52
51
50
49
48
47
46

45
44
43
42
41
40
39
38
37
36
35
34
33
32
31
30
29
28
27
26
25
24
23
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 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
37
```

92
93
94
95
96
97
98
99
100

Compilation Status: Passed

Execution Time:

0.009s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

1
2
3
4
5
6
7
8
9
10

Compilation Status: Passed

Execution Time:

0.01s

32. 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())
Area = A*B
print(Area)
```

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:

0.01s

33. 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:

```
n = int(input())
arr = []
for i in range(1,n+1):
arr. append(i*9)
print(*arr)
```

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

34. 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, b = map(int, input().split())
for i in range(b):
print(a)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

```
5
5
5
5
```

Compilation Status: Passed

Execution Time:

0.009s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

```
10
10
```

10
10
10

Compilation Status: Passed

Execution Time:

0.009s

35. 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:

```
n = input()
arr = []
for i in n:
arr. append(i)
print(*arr)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

5 4 5 6 3 5 6

Compilation Status: Passed

Execution Time:

0.009s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

2 3 4 6

Compilation Status: Passed

Execution Time:

0.01s

36. 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:

```
r = float(input())
pi = 22/7
result = 2*(pi)*r
print(round(result, 2))
```

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

37. 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: Completed

Concepts Included:

array

mathematics

Language Used: PYTHON 3

Source Code:

```
n = int(input())
a = list(map(int, input().split()))
b = []
for i in range(1,len(a)):
b.append(abs(a[i]-a[i-1]))
c = min(b)
print(c)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

3

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

0

Compilation Status: Passed

Execution Time:

0.01s

38. 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=list(map(int,input().split()))
count=0
i=1
if (i==K):
for i in range(1,N+1):
count=count+1
print("yes")
break
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

39. 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:

```
n = int(input())
k=0
if n<=100000:
for i in range(1,n+1):
k+=i
print(k)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

1

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

210

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:

```
b, h = list(map(int,input().split()))
a = (1/2)*b*h
print(a)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

4.5

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

16.0

Compilation Status: Passed

Execution Time:

0.009s

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: Completed

Concepts Included:

mathematics

basics

Language Used: PYTHON 3

Source Code:

```
def is_prime(num):
if num < 2:
return False
for i in range(2, int(num**0.5) + 1):
if num % i == 0:
return False
return True

def count_primes_in_range(L, R):
count = 0
for num in range(L, R + 1):
if is_prime(num):
count += 1
return count

# Taking input for the range L and R
L, R = map(int, input().split())

# Counting prime numbers in the range and printing the result
result = count_primes_in_range(L, R)
```

```
print(result)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

4

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

3

Compilation Status: Passed

Execution Time:

0.015s

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:

```
n = input()
even_lst = []
odd_lst = []
for i in n:
if int(i) %2==0:
even_lst. append(i)
else:
odd_lst. append(i)
even_lst.sort()
odd_lst.sort()
print(*even_lst)
print(*odd_lst)
```

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 = int(input())
EOFError: EOF when reading a line
```

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 = int(input())
EOFError: EOF when reading a line

Runtime Error (NZEC)

Compilation Status: Failed

Execution Time:

0.01s

43. 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, b = map(int, input(). split())
hcf = 1
if a>b:
c = b
else:
c = a
for i in range(1, c+1):
if (a%i == 0) and (b%i==0):
hcf = i
print(hcf)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

19

Compilation Status: Passed

Execution Time:

0.011s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

15

Compilation Status: Passed

Execution Time:

0.01s

44. 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 of 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())
arr = list(map(int, input().split()))
if sum(arr)%2 == 0 and sum(arr)%3 == 0 and sum(arr)%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:

0.01s

45. 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()))
print(arr.index(max(arr))-arr.index(min(arr)))
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

-2

Compilation Status: Passed

Execution Time:

0.012s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

5

Compilation Status: Passed

Execution Time:

0.01s

46. 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 = input()
arr1 = list(map(int, input().split()))
arr2 = list(map(int, input().split()))
arr1.sort()
arr2.sort(reverse = True)
c = arr1 + arr2
print(*c)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

15 16 23 357 65 10

Compilation Status: Passed

Execution Time:

0.009s

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

47. 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:

```
n = int(input())
arr = list(map(int, input().split()))
c = []
for i in arr:
if arr.count(i)==2:
if i not in c:
c.append(i)
if len(c)>=1:
print(*c)
```

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

48. Given a string 'S' print the sum of weight of the String. A weight of character is defined as the ASCII value of corresponding character.

Sample Input:

abc

Sample Output:

294

Completion Status: Completed

Concepts Included:

strings

Language Used: PYTHON 3

Source Code:

```
a = input()
t = list(map(ord, a))
print(sum(t))
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

294

Compilation Status: Passed

Execution Time:

0.009s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

201

Compilation Status: Passed

Execution Time:

0.009s

49. You are given a string. You have to print “Wonder” if the string is wonderful and -1 if it is not. A wonderful string is a string,which is made up of exactly 3 different characters.

Sample Input:

aabbcc

Sample Output:

Wonder

Completion Status: Completed

Concepts Included:

strings

Language Used: PYTHON 3

Source Code:

```
a = input()
a1 = list(a)
result = []
[result.append(x) for x in a1 if x not in result]
x = len(result)
if x == 3:
print("Wonder")
else:
print("-1")
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

Wonder

Compilation Status: Passed

Execution Time:

0.011s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

-1

Compilation Status: Passed

Execution Time:

0.01s

50. Radha newly learnt about palindromic strings.A palindromic string is a string which is same when read from left to right and also from right to left.Help her in implementing the logic.

Sample Input:

NITIN

Sample Output:

1

Completion Status: Completed

Concepts Included:

strings

Language Used: PYTHON 3

Source Code:

```
a = input()
a = a.upper()
a1 = a[::-1]
if a == a1:
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

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

Completion Status: Completed

Concepts Included:

strings

Language Used: PYTHON 3

Source Code:

```
a = input()
a1 = a.lower()
vowel = 0
for i in a1:
if i=="a" or i=="e" or i=="i" or i=="o" or i=="u":
vowel += 1
if vowel>0:
print("yes")
else:
print("no")
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

yes

Compilation Status: Passed

Execution Time:

0.009s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

no

Compilation Status: Passed

Execution Time:

0.009s

52. Write a program to get a string S, Type of conversion (1 - Convert to Lowercase, 2 - Convert to Uppercase) T, and integer P . Convert the case of the letters in the positions which are multiples of P.(1 based indexing).

Sample Input:

ProFiLe
1
2

Sample Output:

Profile

Completion Status: Completed

Concepts Included:

strings

Language Used: PYTHON 3

Source Code:

```
text=input()
list1=list(text)

t = int(input())
p = int(input())

for i in range(0,len(list1)):
if((i+1)%p==0):
list1[i] = list1[i].lower() if t==1 else list1[i].upper()

ans="".join(list1)
print(ans)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

GuviGeek

Compilation Status: Passed

Execution Time:

0.009s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

ENVIRONMENT

Compilation Status: Passed

Execution Time:

0.009s

53. You are given a string.Your task is to print only the consonants present in the string without affecting the sentence spacings if present. If no consonants are present print -1

Sample Input:

I am shrey

Sample Output:

m shry

Completion Status: Completed

Concepts Included:

strings

Language Used: PYTHON 3

Source Code:

```
a = str(input())
```

```
a = a.lower()
print(a.translate({ord(i): None for i in 'aeiou'}))
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

m shry

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

vrtn

Compilation Status: Passed

Execution Time:

0.009s

54. You are given with a string which comprises of some numbers. Your task is to find the largest integer by converting the string to the corresponding integer.

Sample Input:

I was born on 12 october 1998.

Sample Output:

1998

Completion Status: Completed

Concepts Included:

mathematics

strings

integer

Language Used: PYTHON 3

Source Code:

```
a = input()
a1 = a.replace(".", " ")
arr = []

for i in a1.split():
if i.isnumeric():
arr.append(int(i))
print(max(arr))
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

1947

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

28

Compilation Status: Passed

Execution Time:

0.01s

55. 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:

```
a = input()
t = list(map(int, a))
if sum(t)%3==0:
print("pure")
else:
print("not")
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

not

Compilation Status: Passed

Execution Time:

0.011s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

not

Compilation Status: Passed

Execution Time:

0.01s

56. 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:

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

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:

0.01s

57. 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:

```
num = input()
set1 = list(set(num))
if len(set1)==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:

0.011s

58. 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: Completed

Concepts Included:

mathematics

Language Used: PYTHON 3

Source Code:

```
a = int(input())
ab = list(map(int, input().split()))
arr = []
form = 1
for i in ab:
for j in range(1,100+1):
form = j**3 +(j+1)**3
if form == i:
```

```
arr.append(i)
arr.sort()
print(*arr)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

```
Traceback (most recent call last):
File "script-3.8.1.py", line 3, in <module>
if(len(n)>1):
TypeError: object of type 'int' has no len()
```

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>
if(len(n)>1):
TypeError: object of type 'int' has no len()
```

Runtime Error (NZEC)

Compilation Status: Failed

Execution Time:

0.01s

59. In XYZ country there is rule that car's engine no. depends upon car' number plate. Engine no is sum of all the integers present on car's Number plate.The issuing authority has hired you in order to provide engine no. to the cars.Your task is to develop an algorithm which takes input as in form of string(Number plate) and gives back

Engine number.

Sample Input:

HR05-AA-2669

Sample Output:

28

Completion Status: Completed

Concepts Included:

mathematics

strings

Language Used: PYTHON 3

Source Code:

```
a = input()
a1 = a.replace("-", " ")
arr = []
for i in a1:
if i.isnumeric():
arr.append(int(i))
print(sum(arr))
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

28

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

22

Compilation Status: Passed

Execution Time:

0.01s

60. 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:

```
s = input()
d = len(s)//2
if len(s)%2==0:
print(s[0:d-1]+"**"+s[d+1:])
```

```
else:
print(s[0:d-1]+"*"+s[d+1:])
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

*

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

sa**ad

Compilation Status: Passed

Execution Time:

0.01s

61. You are given two numbers. Your task is to multiply the two numbers and print the answer.

Sample Input:

99999 99998

Sample Output:

9999700002

Completion Status: Completed

Concepts Included:

strings

Language Used: PYTHON 3

Source Code:

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

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

9999300006

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

9999700002

Compilation Status: Passed

Execution Time:

0.009s

62. 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 = list(input())
arr = []
for i in a:
if a.count(i)==1:
arr.append(i)
result = "".join(arr)
print(result)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

mpe

Compilation Status: Passed

Execution Time:

0.012s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

a

Compilation Status: Passed

Execution Time:

0.01s

63. 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:

```
a = input()
a1 = a.split()
print(*a1[-1::-1])
```

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:

0.014s

64. Write a code to generate a half pyramid number pattern.

Sample Input:

5

Sample Output:

12345
1234
123
12
1

Completion Status: Completed

Concepts Included:

patterns

Language Used: PYTHON 3

Source Code:

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

```
for i in range(a,0,-1):
for j in range(1,i+1):
print(j, end="")
print()
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

```
12345
1234
123
12
1
```

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

```
123456
12345
1234
123
12
1
```

Compilation Status: Passed

Execution Time:

0.01s

65. Write a code to generate a square pattern using the number '1'.

Sample Input:

5

Sample Output:

11111
11111
11111
11111
11111

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(1,a+1):
print("1", end = "")
print()
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

11111
11111
11111
11111
11111

Compilation Status: Passed

Execution Time:

0.015s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

```
111111
111111
111111
111111
111111
111111
```

Compilation Status: Passed

Execution Time:

0.01s

66. Write a code to generate a hollow rectangle using stars.

Sample Input:

3 5

Sample Output:

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

Completion Status: Completed

Concepts Included:

patterns

Language Used: PYTHON 3

Source Code:

```
a, b = list(map(int, input().split()))
for i in range(a):
if i==0 or i==(a-1):
print("* "*(b-1)+"*")
else:
print("*"+" "*(2*b-3)+"*")
```

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

67. Generate a hollow half pyramid pattern using numbers.

Sample Input:

5

Sample Output:

1
12
1 3
1 4
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(1,1+i):
if a==i or j==1 or j==i:
print(j, end= "")
else:
print(" ", end="")
print()
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

1
12
1 3
1 4
12345

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

```
1
12
1 3
1234
```

Compilation Status: Passed

Execution Time:

0.01s

68. Generate a hollow inverted half pyramid pattern using numbers.

Sample Input:

5

Sample Output:

```
12345
1  4
1 3
12
1
```

Completion Status: Completed

Concepts Included:

patterns

Language Used: PYTHON 3

Source Code:

```
a = int(input())
for i in range(a, 0,-1):
for j in range(1,i+1):
if i==a or j==1 or j==i:
print(j, end="")
else:
print(" ", end="")
print()
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

```
12345
1  4
1 3
12
1
```

Compilation Status: Passed

Execution Time:

0.011s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

```
1234
1 3
12
1
```

Compilation Status: Passed

Execution Time:

0.009s

69. Write a code to generate a inverted half pyramid pattern using numbers.

Sample Input:

5

Sample Output:

12345
1234
123
12
1

Completion Status: Completed

Concepts Included:

patterns

Language Used: PYTHON 3

Source Code:

```
a = int(input())
for i in range(a, 0,-1):
for j in range(1,1+i):
print(j, end="")
print()
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

12345
1234

123
12
1

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

123456
12345
1234
123
12
1

Compilation Status: Passed

Execution Time:

0.009s

70. Write a code to generate a pyramid pattern using stars from the given input size N.

Sample Input:

5

Sample Output:

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

Completion Status: Completed

Concepts Included:

patterns

Language Used: PYTHON 3

Source Code:

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

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

71. 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(1,i+1):
print(j, 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

72. Write a code to generate a half pyramid pattern using numbers.

Sample Input:

5

Sample Output:

55555
4444

333
22
1

Completion Status: Completed

Concepts Included:

patterns

Language Used: PYTHON 3

Source Code:

```
a = int(input())
for i in range(a, 0,-1):
for j in range(1,i+1):
print(i, end="")
print()
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

55555
4444
333
22
1

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

666666
55555
4444
333
22
1

Compilation Status: Passed

Execution Time:

0.009s

73. Write a code to generate a half pyramid pattern using numbers.

Sample Input:

5

Sample Output:

1
22
333
4444
55555

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(1,i+1):
print(i, end="")
print()
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

1
22
333
4444
55555

Compilation Status: Passed

Execution Time:

0.009s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

1
22
333
4444

Compilation Status: Passed

Execution Time:

0.01s

74. Generate a solid rectangle using stars.

Sample Input:

3 5

Sample Output:

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

Completion Status: Completed

Concepts Included:

patterns

Language Used: PYTHON 3

Source Code:

```
a, b = list(map(int, input(). split()))
for i in range(a):
print("* "*(b-1)+"*")
```

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

75. 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 =list(map(int, input().split()))
lst = list(map(int, input().split()))
if k in lst:
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

76. 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()
arr= []
for i in a:
arr. append(int(i))
a1= sum(arr)
print(a1)
```

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:

0.009s

77. 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 1<=a<=12:
if a in [1,3,5,7,8,10,12]:
print("31")
elif a in [4,6,9,11]:
print("30")
else:
print("28")
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:

0.01s

78. You are given a string ‘s’. Your task is to tell whether string is beautiful or not.A beautiful string is a string in which String starts with ‘a’ or ‘A’ and middle element is either ‘m’ or ‘M’ and last element is ‘z’or ‘Z’

Sample Input:

Amz

Sample Output:

1

Completion Status: Completed

Concepts Included:

strings

Language Used: PYTHON 3

Source Code:

```
a1 = input()
if (a1[0] in ['a','A']) and (a1[-1] in ['z','Z']) and (a1[len(a1)//2] in ['m','M']):
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

79. You are given a number with duplicate digits your task is to remove the immediate duplicate digits and print the result

Sample Input:

1331

Sample Output:

11

Completion Status: Completed

Concepts Included:

strings

array

splay trees

Language Used: PYTHON 3

Source Code:

```
a = input()
s = ''
s = s+a
for i in range(1,len(a)-1):
if a[i]==a[i+1]:
s = s.replace(a[i],'')
print(s)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

11

Compilation Status: Passed

Execution Time:

0.009s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

156987

Compilation Status: Passed

Execution Time:

0.011s

80. you are given a string made up of parenthesis only.Your task is to check whether parenthesis are balanced or not.If they are balanced print 1 else print 0

Sample Input:

{({})}

Sample Output:

1

Completion Status: Completed

Concepts Included:

strings

Language Used: PYTHON 3

Source Code:

```
n = input()
a = 0
b=0
for i in n:
if i in "{({":
a+=1
if i in ")]}":
b+=1
if a==b:
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:

0.009s

81. You are given a string ‘s’. Your task is to find whether string is beautiful or not. A string is said to be beautiful whenever string is made up of only three characters. All the three characters must be distinct. Print true if string is beautiful and false when it is not beautiful

Sample Input:

Aab

Sample Output:

1

Completion Status: Completed

Concepts Included:

strings

Language Used: PYTHON 3

Source Code:

```
s = input()
arr=[]
for i in s:
if i not in arr:
arr.append(i)
if len(arr)==3:
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:

0.01s

82. You are given a ‘true’ string. String is called true if weight of string is multiple of 8. Your task is to tell whether a string can be declared True or Not. Weight of string is the sum of ASCII value of Vowel character(s) present in the string.

Sample Input:

raja

Sample Output:

0

Completion Status: Completed

Concepts Included:

mathematics

strings

Language Used: PYTHON 3

Source Code:

```
s = input()
arr=[]
```

```
for i in s:
if i=="a" or i=="e" or i=="i"or i=="o" or i=="u":
arr.append(i)

a = map(ord, arr)
r = sum(a)
if r%8==0:
print("1")
else:
print("0")
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

0

Compilation Status: Passed

Execution Time:

0.009s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

0

Compilation Status: Passed

Execution Time:

0.01s

83. 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 program.

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 = input()
s = list(map(str, input().split()))
s.sort()
print(*s)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

guvi online training

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

jc sboa

Compilation Status: Passed

Execution Time:

0.009s

84. You are given a string ‘s’.Your task is to print the string in the order they are present and then sum of digits.

Sample Input:

AC30BD40

Sample Output:

ACBD7

Completion Status: Completed

Concepts Included:

strings

Language Used: PYTHON 3

Source Code:

```
s =input()
l =[]
n =[]
for i in s:
if i in '0123456789':
n.append(int(i))
```

```
else:
l.append(i)

sm = sum(n)
c = ". join(l)+str(sm)
print(c)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

AJUKH13

Compilation Status: Passed

Execution Time:

0.009s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

ACBEW5

Compilation Status: Passed

Execution Time:

0.009s

85. Given a sentence and string S, find how many times S occurs in the given sentence.If S is not found in the sentence print -1Input Size : |sentence| <= 1000000(complexity O(n)).Sample Testcase :INPUTI enjoy doing

codekatacodekataOUTPUT1

Completion Status: Completed

Concepts Included:

strings

array

Language Used: PYTHON 3

Source Code:

```
sen = list(map(str, input().split()))
s = input()
arr = []
for i in sen:
if i==s:
arr.append(i)
if len(arr)>0:
print(len(arr))
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:

0.011s

86. Indian PAN card issuing authority have found some fake PAN cards. They have hired you so that you can validate PAN card for them. Your task is to develop a suitable algorithm which could check if pan is valid or not

1)Pan must have uppercase letters only.

2)It must be of 10 character only

3)From index 1 to 5 all must be letters(A-Z),last index must be letter

4)Rest all must be integer Starting from 1

Sample Input:

HXTPS2142R

Sample Output:

pan

Completion Status: Completed

Concepts Included:

strings

Language Used: PYTHON 3

Source Code:

```
n = input()
if len(n) == 10 and n[0:5].isalpha() and n[0:5].isupper() and n[5:9].isdigit() and n[9].isalpha() and
n[9].isupper():
print("pan")
```

```
else:
print("not pan")
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

pan

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

not pan

Compilation Status: Passed

Execution Time:

0.01s

87. 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:

```
s=input()
s1=(s[::-1])
s2=s1.capitalize()
print(s2)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

Refynnej

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

Tsrif

Compilation Status: Passed

Execution Time:

0.009s

88. Given a string S, print 2 strings such that first string containing all characters in odd position(s) and other containing all characters in even position(s).Sample Testcase :INPUTXCODEOUTPUTXOE CD

Completion Status: Completed

Concepts Included:

strings

array

Language Used: PYTHON 3

Source Code:

```
a = input()
even = a[::2]
odd=a[1::2]
print(even, odd)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

Snya undy

Compilation Status: Passed

Execution Time:

0.011s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

246 35

Compilation Status: Passed

Execution Time:

0.009s

89. You are given some words all in lower case letters your task is 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:

```
s = list(map(str, input().split()))
s.sort()
print(*s)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

kohli virat

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

cricket love we

Compilation Status: Passed

Execution Time:

0.01s

90. 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:

```
s = input()
print(s)
```

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

91. You are given a string ‘S’ consisting of lowercase Latin Letters. Find the first non repeating character in S. If you find all the characters are repeating print the answer as -1

Sample Input:

apple

Sample Output:

a

Completion Status: Completed

Concepts Included:

strings

Language Used: PYTHON 3

Source Code:

```
s = input()

arr =[]
for i in s:
if s.count(i)==1:
arr.append(i)
if len(arr)>0:
print(arr[0])
else:
print("-1")
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

e

Compilation Status: Passed

Execution Time:

0.009s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

r

Compilation Status: Passed

Execution Time:

0.01s

92. You are given a string ‘s’.Your task is to print the string in alternate lowercase and uppercase order.

Sample Input:

abcd efgh ijkl

Sample Output:

ABCD efgh IJKL

Completion Status: Completed

Concepts Included:

strings

Language Used: PYTHON 3

Source Code:

```
s=input()
s=s.split()
output=[]
for i in range(len(s)):
if i%2==0:
output.append(s[i].upper())
else:
output.append(s[i].lower())
print(" ".join(output))
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

ABCD efgh IJKL

Compilation Status: Passed

Execution Time:

0.009s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

WE love DATA structures AND algorithm

Compilation Status: Passed

Execution Time:

0.01s

93. 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:

```
s = input()
s1= len(s)
print(s1)
```

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:

0.01s

94. Given a string S, print 'yes' if it is a palindrome or 'no' if it is not a palindrome.Sample Testcase :INPUTlappalOUTPUTyes

Completion Status: Completed

Concepts Included:

strings

Language Used: PYTHON 3

Source Code:

```
s = input()
s=s.lower()
a=s[-1::-1]

if s==a:
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:

0.014s

95. You are given two strings . Your task is to tell whether the pair of strings is panagram.
A pair of strings are said to be panagram if they both are palindrome and are

anagram of each other.

Sample Input:

nitin intni

Sample Output:

1

Completion Status: Completed

Concepts Included:

strings

Language Used: PYTHON 3

Source Code:

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


a.lower()
b.lower()
if sorted(a)==sorted(b):
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:

0.009s

96. You are given a string ‘s’.Print all the duplicate characters of string.

Sample Input:

abcddee

Sample Output:

d e

Completion Status: Completed

Concepts Included:

strings

Language Used: PYTHON 3

Source Code:

```
s = input()
arr = []
for i in s:
if s.count(i)==2:
if i not in arr:
arr.append(i)
if len(arr)>0:
print(*arr)
else:
```

```
print("-1")
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

d

Compilation Status: Passed

Execution Time:

0.011s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

-1

Compilation Status: Passed

Execution Time:

0.01s

97. 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:

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

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

yes

Compilation Status: Passed

Execution Time:

0.009s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

no

Compilation Status: Passed

Execution Time:

0.01s

98. 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:

```
a, b=list(map(int, input().split()))
a1= a*b

if a1**0.5==a:
print("yes")
else:
print("no")
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

17

Compilation Status: Failed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

-1

Compilation Status: Failed

Execution Time:

0.01s

99. Given a string 'S' swap the even and odd characters starting from index 1(Assume the index starts from 0).Input Size : |s| <= 10000000(complexity O(n))Sample Testcase :INPUTcodekataOUTPUTocedakat

Completion Status: Completed

Concepts Included:

basics

array

strings

Language Used: PYTHON 3

Source Code:

```
s=input()
t=list(s)
t[::2],t[1::2]=t[1::2],t[::2]
c=''.join(t)
print(c)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

ugiv

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

ejardl

Compilation Status: Passed

Execution Time:

0.009s

100. 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, b= list(map(int, input().split()))
if 1 <= a <= 5 :
a=a*1
if 5 <= b <= 50:
b=b*1
c=a**b
print(c)
```

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

101. 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:

```
lst = list(map(int, input(). split()))
a, b, c= sorted(lst)
if a**2+b**2==c**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:

0.009s

102. Given 3 numbers A,B,C print 'yes' if they can form the sides of a 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 = list(map(int, input().split()))
if a!=b and b!=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:

0.01s

103. 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(2,n):
if n%i==0:
count+=1
if count>=1:
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

104. 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,m=map(int,input().split())
b=map(int,input().split()[:n])
b=list(b)
```

```
count=-1
for i in b:
if(i==m):
count+=1
print(count)
```

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

105. Given a sentence S take out the extra spaces.If no extra space is present print the same as output.Input Size : |s| <= 100000(complexity O(n))Sample Testcase :INPUTcodekata challengeOUTPUTcodekata challenge

Completion Status: Completed

Concepts Included:

array

strings

Language Used: PYTHON 3

Source Code:

```
s = input()
s1= " ". join(s.split())
print(s1)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

coding platform

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

guvi geeks

Compilation Status: Passed

Execution Time:

0.01s

106. 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:

```
m = input()
if m in ' saturday,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

107. 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:

```
s = input()
s1= s[::-1]
print(s1)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

i

Compilation Status: Passed

Execution Time:

0.014s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

skeeg

Compilation Status: Passed

Execution Time:

0.015s

108. 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, b= list(map(str, input().split()))
if a==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

109. 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:

```
s = input()
c =s[0],s[2]
d=". join(c)
print(d)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

gv

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

vr

Compilation Status: Passed

Execution Time:

0.009s

110. 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, b = list(map(str, input().split()))
if b in a:
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

111. 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:

```
s = input()
k = []
for i in s:
if i.isnumeric():
k.append(i)
if len(k)>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

112. 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, b = list(map(str, input().split()))
if a in b:
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

113. Given a number N and an array of N strings, find the number of strings that are an anagram of 'kabali'.If there exists no anagram for the given string print '0'.Input Size : 1 <= N <= 1000Sample Testcase :INPUT5kabalikaablikababakabkabailOUTPUT3

Completion Status: Completed

Concepts Included:

array

strings

Language Used: PYTHON 3

Source Code:

```
n=int(input())
s=[]
c=0
for i in range(n):
x=input()
s.append(x)
k="kabali"
for j in range(n):
```

```
if(sorted(s[j])==sorted(k)):
c+=1
print(c)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

3

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

0

Compilation Status: Passed

Execution Time:

0.01s

114. Given a number N,check whether it has repeating digits in it.print 'yes' if it has repeating digits otherwise print 'no'.Sample Testcase :INPUT11234OUTPUTyes

Completion Status: Completed

Concepts Included:

strings

mathematics

Language Used: PYTHON 3

Source Code:

```
n = list(input())
arr=[]
for i in (n):
if n.count(i)>1:
arr.append(i)

if len(arr)>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

115. 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:

```
s = input()
s1= ''.join(s.split())
print(s1)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

AabXxy

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

AbCd

Compilation Status: Passed

Execution Time:

0.01s

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

Completion Status: Completed

Concepts Included:

strings

array

Language Used: PYTHON 3

Source Code:

```
s, n= input().split()

s1=s[int(n)-1::int(n)]
print(' '.join(s1))
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

t i g

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

s t r i n g

Compilation Status: Passed

Execution Time:

0.01s

117. You are given a string ‘s’. Your task is to print the characters which are not repeated with a single space in between the characters.

Sample Input:

dabbc

Sample Output:

d a c

Completion Status: Completed

Concepts Included:

strings

Language Used: PYTHON 3

Source Code:

```
s = input()
arr = []
for i in s:
if s.count(i)==1:
```

```
arr.append(i)
c = " ".join(arr)
print(c)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

d a b

Compilation Status: Passed

Execution Time:

0.009s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

a c

Compilation Status: Passed

Execution Time:

0.01s

118. 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:

```
s = input()
x = input()
if x in s:
c = s.replace(x+" ","")


print(c)

else:
print(s)
```

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

119. Given a string S, retain the character(s) once irrespective of number of times it occurs in the given string.Input Size : |S| <= 100000Sample Testcase :INPUTaabbaaOUTPUTab

Completion Status: Completed

Concepts Included:

strings

Language Used: PYTHON 3

Source Code:

```
s = input()
arr=[]
for i in s:
if i not in arr:
arr.append(i)
a= ''.join(arr)
print(a)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

abcd

Compilation Status: Passed

Execution Time:

0.009s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

abs

Compilation Status: Passed

Execution Time:

0.01s

120. 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: Completed

Concepts Included:

mathematics

array

strings

Language Used: PYTHON 3

Source Code:

```
n= input()
a=''.join(sorted(n, reverse=True))
re = int(a)
print(re)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

431

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

0

Compilation Status: Passed

Execution Time:

0.01s

121. Given a String S and a string P, find if P is a substring of S. Print 'yes' if it is a substring else 'no'.Input Size : |s| <= 10000 |p| <= 1000.Sample Testcase :INPUTsundar sunOUTPUTyes

Completion Status: Completed

Concepts Included:

strings

Language Used: PYTHON 3

Source Code:

```
a, b = list(map(str, input().split()))
if b in a:
print("yes")
else:
```

```
print("no")
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

yes

Compilation Status: Passed

Execution Time:

0.009s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

no

Compilation Status: Passed

Execution Time:

0.01s

122. 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:

```
n = input()
a = '-'.join(reversed(n))

print(a)
```

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

123. 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= list(map(int, input().split()))
if a+b<=c or b+c<=a or a+c<=b:
print("no")
else:
print("yes")
```

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

124. 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:

```
n = int(input())
ab = list(map(str, input().split()))
ab.sort()
print(*ab)
```

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:

0.009s

125. Iron Man wants to extract an infinity stone from a safe. The safe is protected by a password and Iron Man knows the clue to the password which is “sum one and two when sorted they are true”. Decode the clue from the

test case and help Iron Man open the safe.

Sample Input:

5
9 8 3 2 1

Sample Output:

3

Completion Status: Completed

Concepts Included:

sorting

array

Language Used: PYTHON 3

Source Code:

```
n = int(input())
lst = list(map(int, input().split()))
lst.sort()
result=lst[0]+lst[1]
print(result)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

3

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

21

Compilation Status: Passed

Execution Time:

0.01s

126. 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())
lst=list(map(int, input().split()))

for i in range(0,len(lst)-1,2):
lst[i],lst[i+1]=lst[i+1],lst[i]
```

```
print(*lst)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

3 2 5 4 5 6

Compilation Status: Passed

Execution Time:

0.011s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

2 3 2 3 1

Compilation Status: Passed

Execution Time:

0.009s

127. 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:

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

print(*reversed(s))
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

world hello

Compilation Status: Passed

Execution Time:

0.011s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

a h

Compilation Status: Passed

Execution Time:

0.009s

128. 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())
lst = list(map(int, input(). split()))
print(max(lst))
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

10

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

888

Compilation Status: Passed

Execution Time:

0.009s

129. 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:

```
n = int(input())

l= list(map(int, input().split()))
if l[0]+l[1]+l[2]==l[-1]+l[-2]+l[-3]:
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

130. 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:

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

0

Compilation Status: Passed

Execution Time:

0.009s

131. Given a number N and 2 arrays A and B of sorted order of size N, print the common elements.If it is not found print -1.Input Size : 1 <= N <= 100000Sample Testcase :INPUT51 1 1 1 11 2 3 4 5OUTPUT1

Completion Status: Completed

Concepts Included:

array

Language Used: PYTHON 3

Source Code:

```
n = int(input())
a = set(input().split())
b = set(input().split())
res = a.intersection(b)
```

```
if len(res)>0:
print(*sorted(res))
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 4 8

Compilation Status: Passed

Execution Time:

0.009s

132. 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:

```
n = input()
result= sum(int(i)**2 for i in str(n))
print(result)
```

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

133. 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:

```
lst = list(map(int, input().split()))
if sum(lst)%2==0:
print("even")
else:
print("odd")
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

odd

Compilation Status: Passed

Execution Time:

0.009s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

even

Compilation Status: Passed

Execution Time:

0.01s

134. 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, b=list(map(int, input().split()))
if a>b:
result=a-b
else:
result=b-a
print(result)
```

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

135. Write a code to get a integer n as input and calculate the smallest perfect power of 2 greater than n.

Sample Input:

48

Sample Output:

64

Completion Status: Completed

Concepts Included:

basics

bit manipulation

Looping

Language Used: PYTHON 3

Source Code:

```
n = int(input())
result=2**(n. bit_length())
print(result)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

64

Compilation Status: Passed

Execution Time:

0.009s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

256

Compilation Status: Passed

Execution Time:

0.009s

136. 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:

```
n =int(input())
lst=list(map(int, input().split()))
arr=[]
for i in lst:
if lst.count(i)>1:
if i not in arr:
arr.append(i)
if len(arr)>0:
print(*arr)
else:
print("-1")
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

1

Compilation Status: Passed

Execution Time:

0.012s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

46

Compilation Status: Passed

Execution Time:

0.01s

137. You are given with an circular array .Your task is calculate the difference between two consecutive number. And if difference is greater than ‘k’, print 1 else print 0

Sample Input:

5 15
50 65 85 98 35

Sample Output:

0 1 0 1 0

Completion Status: Completed

Concepts Included:

array

Language Used: PYTHON 3

Source Code:

```
n, k= list(map(int, input().split()))
b= list(map(int, input().split()))
arr=[]
for i in range(n-1):
if abs(b[i]-b[i+1])>k:
arr.append(1)
else:
arr.append(0)
```

```
arr1=b[-1]-b[0]
if abs(arr1)>k:
arr.append(1)
else:
arr.append(0)
print(*arr)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

1 1 1 1 1

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

1 1 1 1 1 1 0 1 0 1

Compilation Status: Passed

Execution Time:

0.01s

138. 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:

```
s=list(input())
c=[]
for i in s:
if i not in 'aeiou':
c.append(i)
result=''.join(c)
if len(result)>0:
print(result[::-1])
else:
print("-1")
```

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:

0.009s

139. Given a string S,count the maximum number of times a character repeated in the string.If no character is repeated print '0'.Input Size : 1 <= N <= 100000Sample Testcase :INPUTcodekataOUTPUT2

Completion Status: Completed

Concepts Included:

array

strings

Language Used: PYTHON 3

Source Code:

```
s = input()
max_count = 0

for char in set(s):
count = s.count(char)
if count > max_count:
max_count = count

print(max_count if max_count > 1 else 0)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

3

Compilation Status: Passed

Execution Time:

0.009s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

2

Compilation Status: Passed

Execution Time:

0.009s

140. Given a number N, print the sum of the squares of its digits.Input Size : 1 <= N <= 100000000000000000Sample Testcase :INPUT19OUTPUT82

Completion Status: Completed

Concepts Included:

mathematics

strings

Language Used: PYTHON 3

Source Code:

```
a = input()
result=sum(int(i)**2 for i in str(a))
print(result)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

90

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

20

Compilation Status: Passed

Execution Time:

0.01s

141. Given a string 'S' and a character 'K', find at what position the character 'K' occurs for the first time in 'S'.(Assume the index of string starts at 1).If the character is not found in 'S' then print -1Input Size : |s| <= 100000Sample Testcase :INPUTcodekata aOUTPUT6

Completion Status: Completed

Concepts Included:

strings

Language Used: PYTHON 3

Source Code:

```
s, k=input().split()
i=1

for i in range(1,len(s)):
result=s.index(k)+1 if k in s else -1
print(result)
```

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: Passed

Execution Time:

0.009s

142. Given a string/sentence print its corresponding camelcase convention.Input Size : |s| <= 1000000(complexity O(n))Sample Testcase :INPUTguvi geeksOUTPUTGuviGeeks

Completion Status: Completed

Concepts Included:

strings

Language Used: PYTHON 3

Source Code:

```
s=input()
s1= s.title().split()
re=''.join(s1)
print(re)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

G

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

Codekata

Compilation Status: Passed

Execution Time:

0.011s

143. Given a string S consisting of only '(' and ')', print 'yes' if it is balanced otherwise print 'no'.Sample Testcase :INPUT(())OUTPUTyes

Completion Status: Completed

Concepts Included:

strings

array

data structures

Language Used: PYTHON 3

Source Code:

```
a =input()
b=0
c=0
for i in a:
if i in '(':
b+=1
if i in ')':
c+=1
if b==c:
print('yes')
else:
print('no')
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

yes

Compilation Status: Passed

Execution Time:

0.009s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

no

Compilation Status: Passed

Execution Time:

0.01s

144. Given 2 numbers a and B.Print the value of a!/b!.Input Size : A,B <= 10000 and A-B <= 5Sample Testcase :INPUT4 2OUTPUT12

Completion Status: Completed

Concepts Included:

mathematics

data structures

dynamic programming

Language Used: PYTHON 3

Source Code:

```
a, b = list(map(int, input().split()))
c=1
d=1
for i in range(1,a+1):
c=c*i
for i in range(1,b+1):
d=d*i
print(c/d)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

24.0

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

60.0

Compilation Status: Passed

Execution Time:

0.01s

145. 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: Completed

Concepts Included:

data structures

companies

Language Used: PYTHON 3

Source Code:

```
n=int(input())
a = input().split()
print('->'.join(reversed(a)))
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

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

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

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

Compilation Status: Passed

Execution Time:

0.009s

146. 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:

```
n = int(input())
arr= list(map(int, input().split()))
re =arr[0]
for i in range(1,n):
re|=arr[i]
print(re)
```

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:

0.01s

147. 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:

```
lst = input()
arr=[]
for i in lst:
if int(i)%2==1:
arr.append(i)
if len(arr)>0:
print(*arr)
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 3

Compilation Status: Passed

Execution Time:

0.01s

148. Find the first 0 in window of size k. You are given n numbers and window size ‘w’

Your task is to print the first index which has 0

Sample Input:

7 2
1 0 6 7 4 0 9

Sample Output:

2 2 -1 -1 6 6

Completion Status: Completed

Concepts Included:

array

Language Used: PYTHON 3

Source Code:

```
n, w= map(int, input().split())
lst= list(map(int, input().split()))
arr=[]
for i in range(n-w+1):
```

```
window=lst[i:i+w ]
index = window.index(0)+i+1 if 0 in window else -1
arr.append(index)
print(*arr)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

2 2 -1 -1 6 6

Compilation Status: Passed

Execution Time:

0.009s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

1 2 3 4 5 6 7 8

Compilation Status: Passed

Execution Time:

0.01s

149. You are an intern at GUVI and the company wants to organise its data and delete unnecessary extra storage elements used. You are given k arrays of unequal dimensions. Sort the k arrays individually and concatenate them.

Sample Input:

3
2
98 12
6
1 2 3 8 5 9
1
11

Sample Output:

12 98 1 2 3 5 8 9 11

Completion Status: Completed

Concepts Included:

sorting

array

Language Used: PYTHON 3

Source Code:

```
#input reading
a = int(input())
#Creating empty array to store array elements
arr=[]
#concatenate the arrays using for loop
for i in range(a):
arr_size=int(input())
array_elements = sorted(list(map(int, input().split())))
arr+=array_elements
print(*arr)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

1 2 3 10 12 43 66 76

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

2 45 67 9 12 56

Compilation Status: Passed

Execution Time:

0.01s

150. 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:

```
n = int(input())
if n%7 == 0:
print('yes')
else:
print('no')
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

yes

Compilation Status: Passed

Execution Time:

0.009s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

no

Compilation Status: Passed

Execution Time:

0.01s

151. 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:

```
n = int(input())
if n%13==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

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

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:

0.01s

153. You are given a paragraph.Your task is to print the words that come just after articles.

Sample Input:

The sun rises in the east

Sample Output:

sun east

Completion Status: Completed

Concepts Included:

strings

Language Used: PYTHON 3

Source Code:

```
s = input().split()
articles = ['the','a','an']
arr=[]
for i in range(len(s)-1):
if s[i].lower() in articles:
arr.append(s[i+1])
print(*arr)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

dog

Compilation Status: Passed

Execution Time:

0.009s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

best championship

Compilation Status: Passed

Execution Time:

0.009s

154. You are given a paragraph.Your task is to print the words that come just after articles.

Sample Input:

The sun rises in the east

Sample Output:

sun east

Completion Status: Completed

Concepts Included:

strings

Language Used: PYTHON 3

Source Code:

```
s = input().split()
articles = ['the','a','an']
arr=[]
for i in range(len(s)-1):
if s[i].lower() in articles:
arr.append(s[i+1])
print(*arr)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

dog

Compilation Status: Passed

Execution Time:

0.009s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

best championship

Compilation Status: Passed

Execution Time:

0.009s

155. You are given a paragraph.Your task is to print the words that come just after articles.

Sample Input:

The sun rises in the east

Sample Output:

sun east

Completion Status: Completed

Concepts Included:

strings

Language Used: PYTHON 3

Source Code:

```
s = input().split()
articles = ['the','a','an']
arr=[]
for i in range(len(s)-1):
if s[i].lower() in articles:
arr.append(s[i+1])
print(*arr)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

dog

Compilation Status: Passed

Execution Time:

0.009s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

best championship

Compilation Status: Passed

Execution Time:

0.009s

156. You are given a paragraph.Your task is to print the words that come just after articles.

Sample Input:

The sun rises in the east

Sample Output:

sun east

Completion Status: Completed

Concepts Included:

strings

Language Used: PYTHON 3

Source Code:

```
s = input().split()
articles = ['the','a','an']
arr=[]
for i in range(len(s)-1):
if s[i].lower() in articles:
arr.append(s[i+1])
print(*arr)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

dog

Compilation Status: Passed

Execution Time:

0.009s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

best championship

Compilation Status: Passed

Execution Time:

0.009s

157. Mr.Stark wants to order the employee ids, which are recorded in a 2D matrix, in ascending order. He wants to do it so as to allot a new id to a person who joins as a fresher. You are the CTO of the Stark industries and you are asked by Mr.Stark to sort the data.

Sample Input:

3 3
87 21 34
89 32 78
12 23 45

Sample Output:

12 21 23
32 34 45
78 87 89

Completion Status: Completed

Concepts Included:

sorting

array

Language Used: PYTHON 3

Source Code:

```
a, b = map(int, input().split())
matrix = []
for i in range(a):
x = list(map(int, input().split()))
matrix.append(x)
temp = [0]*(a*b)
k = 0
for i in range(a):
for j in range(b):
temp [k] = matrix[i][j]
k += 1
temp.sort()
k = 0
for i in range(a):
for j in range(b):
matrix[i][j] = temp[k]
k += 1
for x in matrix:
print(*x)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

1 2 3
7 8 9

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

23 34 54
56 64 89

Compilation Status: Passed

Execution Time:

0.01s

158. 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())
a,b = n,m
while b:
a,b = b, a%b
if a==1:
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:

1

Compilation Status: Passed

Execution Time:

0.01s

159. Given a string S of length N, print all permutations of the string in a separate line.Input Size : 1 <= N <= 100000Sample Testcases :INPUT123OUTPUT123231321213312132

Completion Status: Completed

Concepts Included:

array

strings

data structures

Accolite

Amazon

Cisco

Citrix

MAQ-Software

OYO-Rooms

Samsung

Snapdeal

Walmart

Zoho

guvi-learning-path

Language Used: PYTHON 3

Source Code:

```
import itertools as it
s= input().strip()
for p in it.permutations(s):
print(''.join(p))
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

ab
ba

Compilation Status: Passed

Execution Time:

0.014s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

a

Compilation Status: Passed

Execution Time:

0.01s

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

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

5

Compilation Status: Passed

Execution Time:

0.009s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

10

Compilation Status: Passed

Execution Time:

0.009s

161. Given 2 arrays print 'yes' if they are mirror images of each other,otherwise 'no'.Input Size : N <= 1000000Sample Testcase :INPUT41 2 3 44 3 2 1OUTPUTyes

Completion Status: Completed

Concepts Included:

array

companies

Language Used: PYTHON 3

Source Code:

```
n = int(input())
arr1 = list(map(int, input().split()))
arr2 = list(map(int, input().split()))
res = arr2[::-1]
if arr1 == res:
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

162. 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:

```
n = input()
l = len(n)
k = 0
for i in n:
k+=int(i)**l
print(k)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

354

Compilation Status: Passed

Execution Time:

0.014s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

276

Compilation Status: Passed

Execution Time:

0.009s

163. Given a string, print the run-length encoded output.Input Size : N <= 100000Sample Testcase :INPUTaaabOUTPUTa3b1

Completion Status: Completed

Concepts Included:

strings

companies

loop

Language Used: PYTHON 3

Source Code:

```
# Input string
input_string = input()

# Initialize variables
encoded_string = ''
count = 1

# Iterate through the string
for i in range(1, len(input_string)):
# If current character is same as previous character, increment count
if input_string[i] == input_string[i - 1]:
count += 1
else:
# If current character is different from previous character, encode the previous character and
count
encoded_string += input_string[i - 1] + str(count)
count = 1

# Encode the last character and count
encoded_string += input_string[-1] + str(count)

# Print the encoded output
print(encoded_string)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

a3b1a2

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

a5b2c1

Compilation Status: Passed

Execution Time:

0.009s

164. Given a number N and an array of N strings,Print yes, if all strings have atleast one vowel in them otherwise print no.Input Size : N <= 1000Sample Testcase :INPUT5codeoverloadvishalsundaranishOUTPUTyes

Completion Status: Completed

Concepts Included:

strings

companies

Language Used: PYTHON 3

Source Code:

```
n = int(input())
vowels = ['a','e','i','o','u']
for i in range(n):
stg = input()
found_vowel =  False
for char in stg:
if char in vowels:
found_vowel = True
break
if found_vowel:
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

165. Given a sentence interchange the between the word 'and'.Input Size : |S| <= 1000000 Sample Testcase :INPUTjack and jill went up and down to get waterOUTPUTjill and jack went down and up to get water

Completion Status: Completed

Concepts Included:

strings

companies

Language Used: PYTHON 3

Source Code:

```
stg = input()
words = stg.split()
mid = 'and'

for i, word in enumerate(words):
if word == mid:
if i > 0 and i < len(words) - 1:
words[i-1], words[i+1] = words[i+1], words[i-1]

result = ' '.join(words)
print(result)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

jill and jack went down and up to get water

Compilation Status: Passed

Execution Time:

0.009s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

bye and hey

Compilation Status: Passed

Execution Time:

0.009s

166. Given two strings S1 and S2,display 'yes' if given two strings are complementary otherwise display 'no'. If we join alphabets of both the strings we should get all 26 capital letters exactly once, then only we can call them as complementary.Sample Testcase :INPUTABDCFGIJKLMNOPQUVWXYZEHRSTOUTPUTyes

Completion Status: Completed

Concepts Included:

strings

companies

loop

Language Used: PYTHON 3

Source Code:

```
s1 = input()
s2 = input()

combined_string = s1 + s2
unique_chars = ''.join(sorted(combined_string))

if len(unique_chars) == 26 and unique_chars.isalpha() and all(char.isupper() for char in
unique_chars):
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

167. Given a string S ,print the vowels first and then consonants in the same order as they have occurred in the string.Input Size : N <= 10000Sample Testcase :INPUTGuVIOUTPUTuIGV

Completion Status: Completed

Concepts Included:

strings

companies

Language Used: PYTHON 3

Source Code:

```
stg = input()
```

```
arr1 = []
arr2 = []
for i in stg:
if i in 'aeiouAEIOU':
arr1.append(i)
else:
arr2.append(i)
res = ''.join(arr1+arr2)
print(res)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

sky

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

oevwl

Compilation Status: Passed

Execution Time:

0.01s

168. Given a string 'S' print the substring of maximum length which is not a palindrome.If more than one solution is possible print the solution which you

obtained by performing elimination at the end of the stringInput Size : 1 <= length <= 1000Sample
Testcases :INPUTababababaOUTPUTabababablNPUThelloOUTPUThello

Completion Status: Completed

Concepts Included:

array

companies

strings

Language Used: PYTHON 3

Source Code:

```
S = input()
longest_substring = ""
for i in range(len(S)):
for j in range(i + 1, len(S) + 1):
substring = S[i:j]
if substring != substring[::-1] and len(substring) > len(longest_substring):
longest_substring = substring
print(longest_substring)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

abb

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

aaaaab

Compilation Status: Passed

Execution Time:

0.01s

169. Given a number N followed by N numbers(negative or positive) print the maximum sum of any subarray of the array.Input Size : 1 <= N <= 100000Sample Testcases :INPUT71 2 3 4 5 6 7OUTPUT28

Completion Status: Completed

Concepts Included:

array

companies

Language Used: PYTHON 3

Source Code:

```
N = int(input())
arr = list(map(int, input().split()))

max_ending_here = max_so_far = arr[0]

for i in range(1, N):
max_ending_here = max(arr[i], max_ending_here + arr[i])
max_so_far = max(max_so_far, max_ending_here)

print(max_so_far)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

9

Compilation Status: Passed

Execution Time:

0.009s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

22

Compilation Status: Passed

Execution Time:

0.01s

170. 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())
arr = list(map(int, input().split()))
DOB_month = int(input())

result = []
for i in arr:
if i%DOB_month == 0:
result.append('1')
else:
result.append('0')
print(*result)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

0 0 0 0 0 0

Compilation Status: Passed

Execution Time:

0.013s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

1 0 0 0 0 0 0 0 0 0

Compilation Status: Passed

Execution Time:

0.01s

171. 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:

```
n = int(input())
count = 0

for a in range(1,n):
for b in range(1,n):
if a+b == n:
```

```
count+= 1

print(count)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

22

Compilation Status: Passed

Execution Time:

0.009s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

11

Compilation Status: Passed

Execution Time:

0.01s

172. 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:

```
n = input()

print(len(n))
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

3

Compilation Status: Passed

Execution Time:

0.009s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

7

Compilation Status: Passed

Execution Time:

0.01s

173. 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:

```
n = int(input())
remainder = n%10

if remainder == 0:
print(n)
else:
result = 10-remainder
multiple = n+result
print(multiple)
```

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

174. 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:

```
N= int(input())
power_of_2 = 1
while power_of_2 <= N:
power_of_2 *= 2
print(power_of_2)
```

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

175. Shreya is a brilliant girl. She likes to memorize the numbers. These numbers will be shown to her. As an examiner develop an algorithm to test her memory.

CONSTRAINTS

1<=Y,N,T<=1000

Sample Input:

10
1 1 1 2 2 2 3 8 9 7
5
1 2 3 0 5

Sample Output:

3 3 1 Not Present Not Present

Completion Status: Completed

Concepts Included:

array

linkedlist

sorting

mathematics

Language Used: PYTHON 3

Source Code:

```
n = int(input())
lst = list(map(int, input().split()))
qns = int(input())
ans = list(map(int, input().split()))
arr = []

for i in ans:
if i in lst:
occurence = lst.count(i)
arr.append(occurence)
else:
arr.append('Not Present')
print(*arr)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

3 3 1 Not Present Not Present

Compilation Status: Passed

Execution Time:

0.009s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

1 Not Present Not Present 1 1

Compilation Status: Passed

Execution Time:

0.009s

176. 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:

```
a,b = map(int, input().split())
diff = abs(a-b)

if diff%2==0 or diff ==0:
print('even')
else:
print('odd')
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

even

Compilation Status: Passed

Execution Time:

0.009s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

odd

Compilation Status: Passed

Execution Time:

0.009s

177. 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:

```
n = input()
k= 1
for i in n:
k*=int(i)
print(k)
```

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

178. Given 3 numbers A,B,C find the sum of Arithmetic Series with a=A, d=B and n=CSample Testcase :INPUT1 1 2OUTPUT3

Completion Status: Completed

Concepts Included:

mathematics

Language Used: PYTHON 3

Source Code:

```
a,b,c = map(int, input().split())
Sn = (c / 2) * (2 * a + (c - 1) * b)
print(round(Sn))
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

1

Compilation Status: Passed

Execution Time:

0.009s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

84

Compilation Status: Passed

Execution Time:

0.009s

179. 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 = map(int, input().split())
```

```
surface_area = 2*((l*b) +(b*h) + (h*l))
volume = l*b*h
print(round(surface_area), round(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

180. 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:

```
import math

n = float(input())
rounded_up = math.ceil(n)
print(rounded_up)
```

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

181. Rajesh is very fond of numbers. With the given positive number(‘n’) ,he has to tell whether a number is lively or not. A lively number is a number which has same frequency of all integers present.

Sample Input:

1212

Sample Output:

1

Completion Status: Completed

Concepts Included:

mathematics

Language Used: PYTHON 3

Source Code:

```
n = input()
set_n = set(n)
arr = []
for i in set_n:
count = n.count(i)
arr.append(count)
if len(set(arr)) == 1:
print(1)
else:
print(0)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

1

Compilation Status: Passed

Execution Time:

0.014s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

0

Compilation Status: Passed

Execution Time:

0.01s