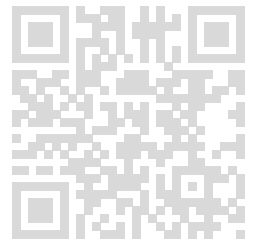


# Codekata Report:



**Name:** Susmitha

**Email:** kallurusmitha93@gmail.com

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

**Sample Input:**

2

**Sample Output:**

2

**Completion Status:** Completed

**Concepts Included:**

Input/Output

**Language Used:** PYTHON 3

**Source Code:**

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

**Compilation Details:**

**TestCase1:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

2

**Compilation Status:** Passed

**Execution Time:**

0.01s

**TestCase2:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

4

**Compilation Status:** Passed

**Execution Time:**

0.015s

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

**Sample Input:**

2 3 4 5 6 7 8

**Sample Output:**

2 3 4 5 6 7 8

**Completion Status:** Completed

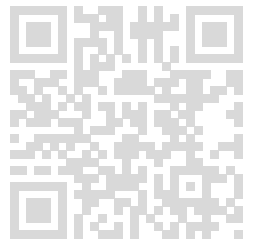
**Concepts Included:**

Input/Output

**Language Used:** PYTHON 3

**Source Code:**

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



## Compilation Details:

### TestCase1:

#### Input:

< hidden >

#### Expected Output:

< hidden >

#### Output:

2 3 4 5 6 7 8

**Compilation Status:** Passed

#### Execution Time:

0.009s

### TestCase2:

#### Input:

< hidden >

#### Expected Output:

< hidden >

#### Output:

12 13 14 15 16 17 18

**Compilation Status:** Passed

#### Execution Time:

0.01s

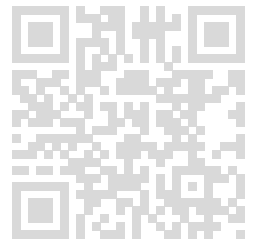
3. You are given A = Length of a rectangle & B = breadth of a rectangle. Find its area "C".

(A and B are natural numbers)

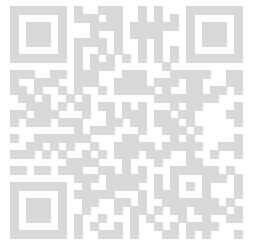
#### Sample Input:

2  
3

#### Sample Output:



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**Completion Status:** Completed

**Concepts Included:**

absolute beginner

**Language Used:** PYTHON 3

**Source Code:**

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

**Compilation Details:**

**TestCase1:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

144

**Compilation Status:** Passed

**Execution Time:**

0.01s

**TestCase2:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

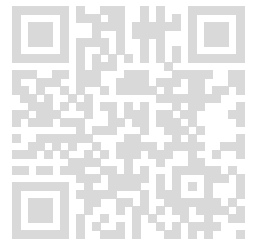
**Output:**

30

**Compilation Status:** Passed

**Execution Time:**

0.014s



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

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

**Sample Input:**

12

**Sample Output:**

53.60

**Completion Status:** Completed

**Concepts Included:**

absolute beginner

**Language Used:** PYTHON 3

**Source Code:**

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

**Compilation Details:**

**TestCase1:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

32.0

**Compilation Status:** Passed

**Execution Time:**

0.01s

**TestCase2:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

69.8

**Compilation Status:** Passed

**Execution Time:**

0.014s

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

**Sample Input:**

5 3  
1 2 3 4 5

**Sample Output:**

5 3  
1 2 3 4 5

**Completion Status:** Completed

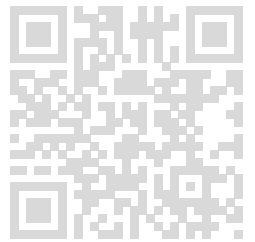
**Concepts Included:**

Input/Output

**Language Used:** PYTHON 3

**Source Code:**

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



### Compilation Details:

#### TestCase1:

##### Input:

< hidden >

##### Expected Output:

< hidden >

##### Output:

5 3  
1 2 3 4 5

Compilation Status: Passed

##### Execution Time:

0.014s

#### TestCase2:

##### Input:

< hidden >

##### Expected Output:

< hidden >

##### Output:

4 2  
1 4 3 2

Compilation Status: Passed

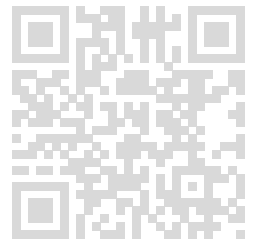
##### Execution Time:

0.009s

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

##### Sample Input:

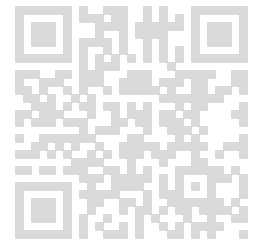
2 4  
2 4  
2 4



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### Sample Output:

2 4  
2 4  
2 4



**Completion Status:** Completed

### Concepts Included:

Input/Output

**Language Used:** PYTHON 3

### Source Code:

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

### Compilation Details:

#### TestCase1:

##### Input:

< hidden >

##### Expected Output:

< hidden >

##### Output:

2 4  
2 4  
2 4

**Compilation Status:** Passed

### Execution Time:

0.009s

#### TestCase2:

##### Input:

< hidden >

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## Expected Output:

< hidden >

## Output:

1 3  
2 3  
4 5

**Compilation Status:** Passed

**Execution Time:**

0.009s

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

## Sample Input:

2  
4  
5

## Sample Output:

2 4 5

**Completion Status:** Completed

## Concepts Included:

Input/Output

**Language Used:** PYTHON 3

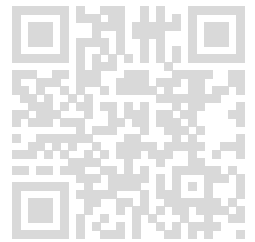
## Source Code:

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

## Compilation Details:

## TestCase1:

**Input:**



< hidden >

**Expected Output:**

< hidden >

**Output:**

2 4 5

**Compilation Status:** Passed

**Execution Time:**

0.009s

**TestCase2:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

9 9 9

**Compilation Status:** Passed

**Execution Time:**

0.009s

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

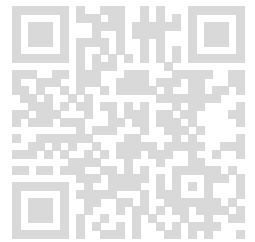
**Sample Input:**

2 5  
2 5 6  
2 4 5

**Sample Output:**

2 5  
2 5 6  
2 4 5

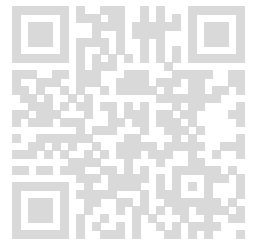
**Completion Status:** Completed



## Concepts Included:

Input/Output

**Language Used:** PYTHON 3



## Source Code:

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

## Compilation Details:

### TestCase1:

#### Input:

< hidden >

#### Expected Output:

< hidden >

#### Output:

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

**Compilation Status:** Passed

#### Execution Time:

0.01s

### TestCase2:

#### Input:

< hidden >

#### Expected Output:

< hidden >

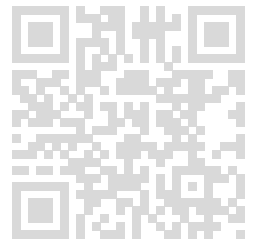
#### Output:

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

**Compilation Status:** Passed

**Execution Time:**

0.01s



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

**Sample Input:**

guvi

**Sample Output:**

g u v i

**Completion Status:** Completed

**Concepts Included:**

Input/Output

**Language Used:** PYTHON 3

**Source Code:**

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

**Compilation Details:**

**TestCase1:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

g u v i

**Compilation Status:** Passed

**Execution Time:**

0.01s

### TestCase2:

#### Input:

< hidden >

#### Expected Output:

< hidden >

#### Output:

c o d e k a t a

**Compilation Status:** Passed

#### Execution Time:

0.011s

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

#### Sample Input:

5

#### Sample Output:

1  
2  
3  
4  
5

**Completion Status:** Completed

#### Concepts Included:

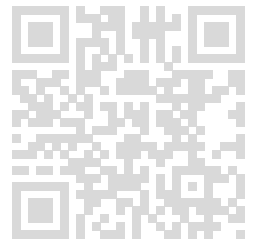
absolute beginner

basics

Looping

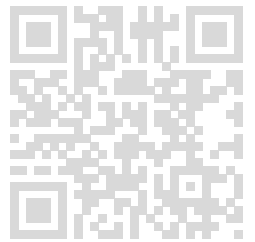
**Language Used:** PYTHON 3

#### Source Code:



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



## Compilation Details:

### TestCase1:

#### Input:

< hidden >

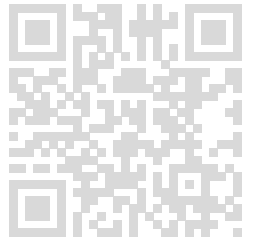
#### Expected Output:

< hidden >

#### Output:

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
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15  
16  
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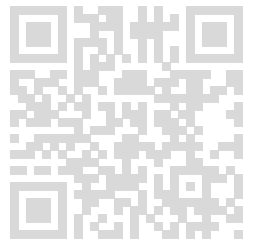
Susmitha (kallurisusmitha93@gmail.com)



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Susmitha (kallurisusmitha93@gmail.com)

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100



**Compilation Status:** Passed

**Execution Time:**

0.01s

**TestCase2:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

1  
2  
3  
4  
5  
6  
7  
8  
9  
10

Susmitha (kallurusmitha93@gmail.com)

**Compilation Status:** Passed

**Execution Time:**

0.009s

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

**Sample Input:**

30



## Sample Output:

yes

**Completion Status:** Completed

## Concepts Included:

zen

**Language Used:** PYTHON 3

## Source Code:

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

## Compilation Details:

### TestCase1:

#### Input:

< hidden >

#### Expected Output:

< hidden >

#### Output:

yes

**Compilation Status:** Passed

#### Execution Time:

0.01s

### TestCase2:

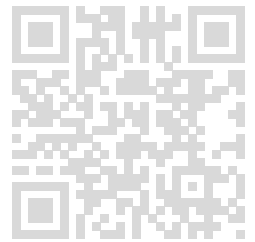
#### Input:

< hidden >

#### Expected Output:

< hidden >

#### Output:



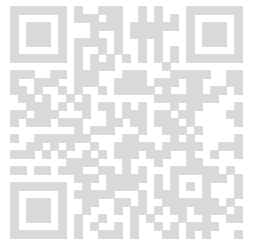
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no

**Compilation Status:** Passed

**Execution Time:**

0.01s



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

**Sample Input:**

2.3 4.5 7.8

**Sample Output:**

2.3

4.5

7.8

**Completion Status:** Completed

**Concepts Included:**

Input/Output

**Language Used:** PYTHON 3

**Source Code:**

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

**Compilation Details:**

**TestCase1:**

**Input:**

< hidden >

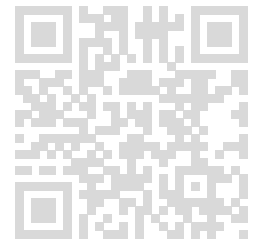
**Expected Output:**

< hidden >

**Output:**

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2.3  
4.5  
7.8



**Compilation Status:** Passed

**Execution Time:**

0.009s

**TestCase2:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

1.2  
3.4  
5.6

**Compilation Status:** Passed

**Execution Time:**

0.01s

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

**Sample Input:**

guvigeek

**Sample Output:**

g  
u  
v  
i  
g  
e  
e  
k

**Completion Status:** Completed

## Concepts Included:

Input/Output

**Language Used:** PYTHON 3

## Source Code:

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

## Compilation Details:

### TestCase1:

#### Input:

< hidden >

#### Expected Output:

< hidden >

#### Output:

g  
u  
v  
i  
g  
e  
e  
k

**Compilation Status:** Passed

#### Execution Time:

0.01s

### TestCase2:

#### Input:

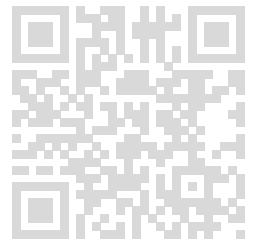
< hidden >

#### Expected Output:

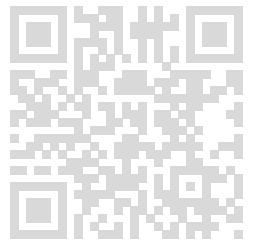
< hidden >

#### Output:

c



o  
d  
e



**Compilation Status:** Passed

**Execution Time:**

0.009s

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

**Sample Input:**

guvi

**Sample Output:**

g,u,v,i

**Completion Status:** Completed

**Concepts Included:**

Input/Output

**Language Used:** PYTHON 3

**Source Code:**

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

**Compilation Details:**

**TestCase1:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

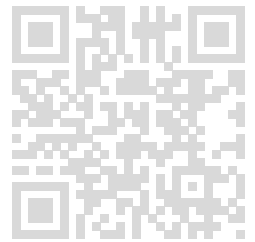
g,u,v,i

Susmitha (kallurisusmitha93@gmail.com)

**Compilation Status:** Passed

**Execution Time:**

0.009s



**TestCase2:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

h,e,l,l,o

**Compilation Status:** Passed

**Execution Time:**

0.01s

**15. Given a number N followed by a list of N numbers. Write a program to reverse the list and print the list. Input Size :  $1 \leq N \leq 10000$  Sample Testcases : INPUT 7 1 2 3 4 5 6 7 OUTPUT 7->6->5->4->3->2->1**

**Completion Status:** Not Completed

**Concepts Included:**

data structures

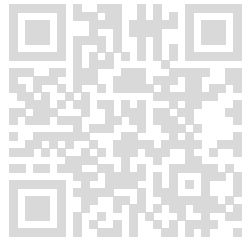
companies

**Language Used:** PYTHON 3

**Source Code:**

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

**Compilation Details:**



### TestCase1:

#### Input:

< hidden >

#### Expected Output:

< hidden >

#### Output:

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

**Compilation Status:** Failed

**Execution Time:**

0.01s

### TestCase2:

#### Input:

< hidden >

#### Expected Output:

< hidden >

#### Output:

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

**Compilation Status:** Failed

**Execution Time:**

0.009s

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

#### Sample Input:

2

#### Sample Output:

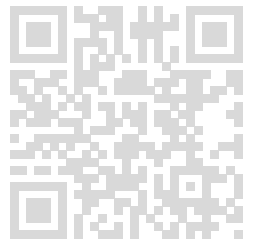
2000  
200000

**Completion Status:** Completed

## Concepts Included:

absolute beginner

**Language Used:** PYTHON 3



## Source Code:

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

## Compilation Details:

### TestCase1:

#### Input:

< hidden >

#### Expected Output:

< hidden >

#### Output:

2000  
200000

**Compilation Status:** Passed

#### Execution Time:

0.009s

### TestCase2:

#### Input:

< hidden >

#### Expected Output:

< hidden >

#### Output:

4000  
400000

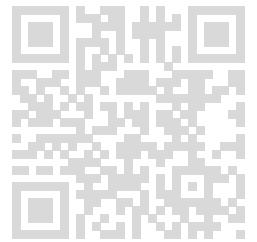
**Compilation Status:** Passed

Susmitha (kallurisusmitha93@gmail.com)



**Execution Time:**

0.009s



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

**Sample Input:**

2

**Sample Output:**

2

**Completion Status:** Completed

**Concepts Included:**

absolute beginner

**Language Used:** PYTHON 3

**Source Code:**

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

**Compilation Details:**

**TestCase1:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

24

**Compilation Status:** Passed

**Execution Time:**

0.01s

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## TestCase2:

### Input:

< hidden >

### Expected Output:

< hidden >

### Output:

6

**Compilation Status:** Passed

**Execution Time:**

0.009s

18. The area of an equilateral triangle is  $\frac{1}{4}(\sqrt{3}a^2)$  where "a" represents a side of the triangle. You are provided with the side "a". Find the area of the equilateral triangle.

### Sample Input:

20

### Sample Output:

173.21

**Completion Status:** Completed

### Concepts Included:

absolute beginner

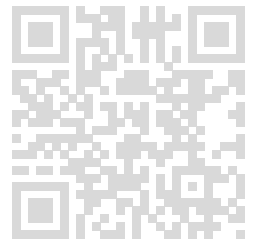
**Language Used:** PYTHON 3

### Source Code:

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

### Compilation Details:

## TestCase1:



**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

173.21

**Compilation Status:** Passed

**Execution Time:**

0.01s

**TestCase2:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

4243.96

**Compilation Status:** Passed

**Execution Time:**

0.01s

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

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

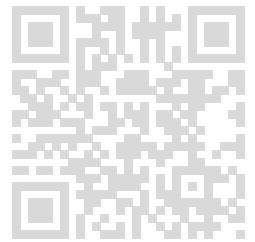
**Note:** In case of a decimal, Round off to nearest integer and then find the output. Incase the input is zero, print "Zero".

**Sample Input:**

2

**Sample Output:**

Even



**Completion Status:** Completed

**Concepts Included:**

absolute beginner

**Language Used:** PYTHON 3

**Source Code:**

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

**Compilation Details:**

**TestCase1:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

Even

**Compilation Status:** Passed

**Execution Time:**

0.01s

**TestCase2:**

**Input:**

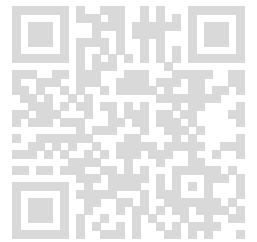
< hidden >

**Expected Output:**

< hidden >

**Output:**

Odd

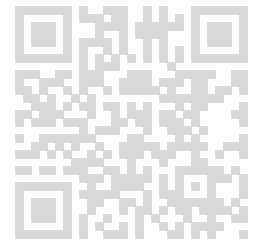


Susmitha (kallurisusmitha93@gmail.com)

**Compilation Status:** Passed

**Execution Time:**

0.009s



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

**Sample Input:**

23 1

**Sample Output:**

1

**Completion Status:** Completed

**Concepts Included:**

absolute beginner

**Language Used:** PYTHON 3

**Source Code:**

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

Susmitha (kallurusmitha93@gmail.com)

**Compilation Details:**

**TestCase1:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

2

**Compilation Status:** Passed

**Execution Time:**

0.009s

**TestCase2:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

32

**Compilation Status:** Passed

**Execution Time:**

0.011s

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

9 18 27...

**Print NULL if 0 is input**

**Sample Input:**

3

**Sample Output:**

9 18 27

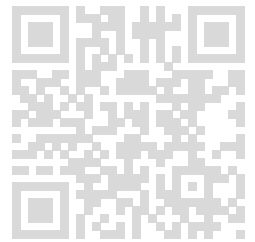
**Completion Status:** Completed

**Concepts Included:**

absolute beginner

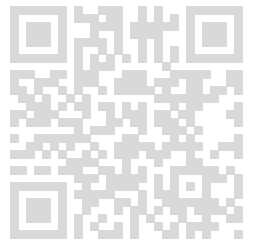
**Language Used:** PYTHON 3

**Source Code:**



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

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



### Compilation Details:

#### TestCase1:

##### Input:

< hidden >

##### Expected Output:

< hidden >

##### Output:

9 18 27

**Compilation Status:** Passed

##### Execution Time:

0.01s

#### TestCase2:

##### Input:

< hidden >

##### Expected Output:

< hidden >

##### Output:

9

**Compilation Status:** Passed

##### Execution Time:

0.01s

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

### Sample Input:

4

### Sample Output:

4  
4  
4  
4  
4

**Completion Status:** Completed

### Concepts Included:

absolute beginner

basics

Looping

**Language Used:** PYTHON 3

### Source Code:

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

### Compilation Details:

#### TestCase1:

##### Input:

< hidden >

##### Expected Output:

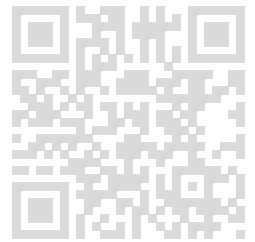
< hidden >

##### Output:

5  
5  
5  
5  
5

**Compilation Status:** Passed

**Execution Time:**



Susmitha (kallurususmitha93@gmail.com)



0.01s

### TestCase2:

#### Input:

< hidden >

#### Expected Output:

< hidden >

#### Output:

10  
10  
10  
10  
10

**Compilation Status:** Passed

#### Execution Time:

0.009s

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

#### Sample Input:

2

#### Sample Output:

8

**Completion Status:** Completed

#### Concepts Included:

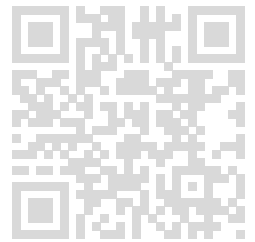
absolute beginner

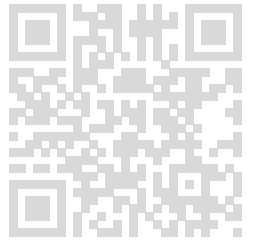
**Language Used:** PYTHON 3

#### Source Code:

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

#### Compilation Details:



**TestCase1:****Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

-8

**Compilation Status:** Passed

**Execution Time:**

0.01s

**TestCase2:****Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

1

**Compilation Status:** Passed

**Execution Time:**

0.01s

Susmitha (kallurisusmitha93@gmail.com)

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

**Sample Input:**

1  
2  
3

**Sample Output:**

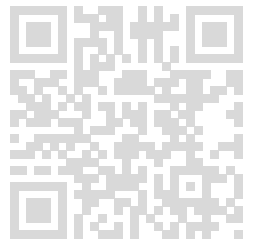
3

**Completion Status:** Completed

## Concepts Included:

absolute beginner

**Language Used:** PYTHON 3



## Source Code:

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

## Compilation Details:

### TestCase1:

#### Input:

< hidden >

#### Expected Output:

< hidden >

#### Output:

3

**Compilation Status:** Passed

#### Execution Time:

0.009s

### TestCase2:

#### Input:

< hidden >

#### Expected Output:

< hidden >

#### Output:

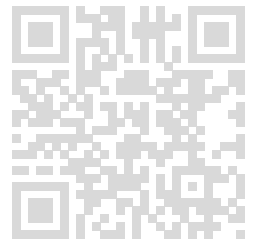
0

Susmitha (kallurisusmitha93@gmail.com)

**Compilation Status:** Passed

**Execution Time:**

0.009s



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

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

**Sample Input:**

8

**Sample Output:**

31

**Completion Status:** Completed

**Concepts Included:**

absolute beginner

**Language Used:** PYTHON 3

**Source Code:**

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

**Compilation Details:**

**TestCase1:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

Error

**Compilation Status:** Passed

**Execution Time:**

0.009s

**TestCase2:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

Error

**Compilation Status:** Passed

**Execution Time:**

0.009s

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

**Sample Input:**

Lorem Ipsum

**Sample Output:**

10

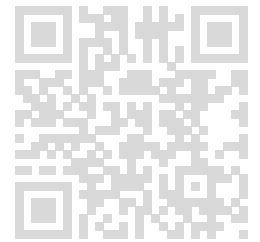
**Completion Status:** Completed

**Concepts Included:**

absolute beginner

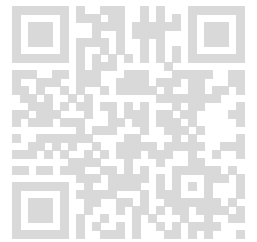
**Language Used:** PYTHON 3

**Source Code:**



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



### Compilation Details:

#### TestCase1:

##### Input:

< hidden >

##### Expected Output:

< hidden >

##### Output:

10

**Compilation Status:** Passed

##### Execution Time:

0.01s

#### TestCase2:

##### Input:

< hidden >

##### Expected Output:

< hidden >

##### Output:

4

**Compilation Status:** Passed

##### Execution Time:

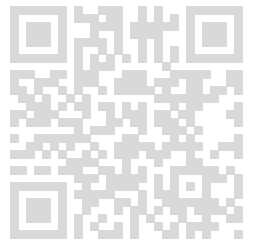
0.009s

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

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

Sample Input:

2020



### Sample Output:

Y

**Completion Status:** Completed

### Concepts Included:

absolute beginner

**Language Used:** PYTHON 3

### Source Code:

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

### Compilation Details:

#### TestCase1:

##### Input:

< hidden >

##### Expected Output:

< hidden >

##### Output:

N

**Compilation Status:** Passed

##### Execution Time:

0.009s

#### TestCase2:

##### Input:

< hidden >

##### Expected Output:

< hidden >

**Output:**

Y

**Compilation Status:** Passed

**Execution Time:**

0.009s

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

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

**Sample Input:**

2

**Sample Output:**

2 4 6

**Completion Status:** Completed

**Concepts Included:**

absolute beginner

**Language Used:** PYTHON 3

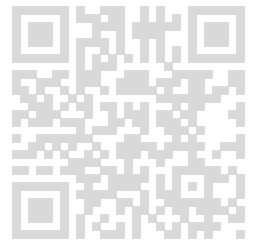
**Source Code:**

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

**Compilation Details:**

**TestCase1:**

**Input:**





< hidden >

**Expected Output:**

< hidden >

**Output:**

2 4 6

**Compilation Status:** Passed

**Execution Time:**

0.01s

**TestCase2:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

4 8 12

**Compilation Status:** Passed

**Execution Time:**

0.009s

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

**Sample Input:**

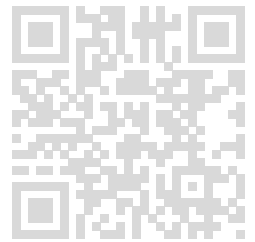
2 3

**Sample Output:**

2  
2  
2

**Completion Status:** Completed

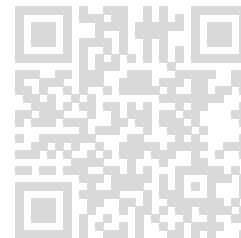
**Concepts Included:**



absolute beginner

basics

Looping



**Language Used:** PYTHON 3

**Source Code:**

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

```
for i in range(N):
```

```
    print(A)
```

**Compilation Details:**

**TestCase1:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

5  
5  
5  
5

**Compilation Status:** Passed

**Execution Time:**

0.01s

**TestCase2:**

**Input:**

< hidden >

**Expected Output:**

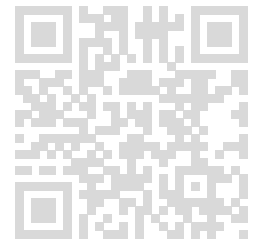
< hidden >

**Output:**

10  
10

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10  
10  
10



**Compilation Status:** Passed

**Execution Time:**

0.01s

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

**Sample Input:**

10

**Sample Output:**

10  
9  
8  
7  
6  
5  
4  
3  
2  
1

**Completion Status:** Completed

**Concepts Included:**

absolute beginner

basics

Looping

**Language Used:** PYTHON 3

**Source Code:**

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

**Compilation Details:**

## TestCase1:

### Input:

< hidden >

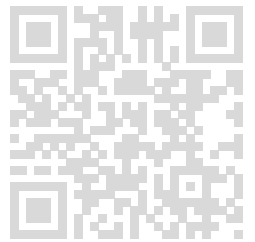
### Expected Output:

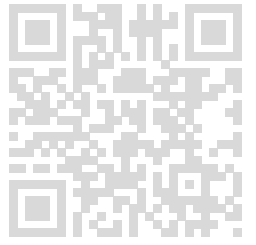
< hidden >

### Output:

100  
99  
98  
97  
96  
95  
94  
93  
92  
91  
90  
89  
88  
87  
86  
85  
84  
83  
82  
81  
80  
79  
78  
77  
76  
75  
74  
73  
72  
71  
70  
69  
68  
67  
66  
65  
64  
63  
62  
61  
60  
59  
58

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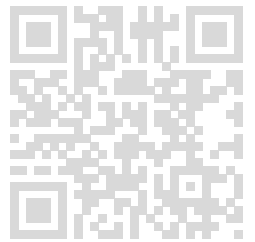




57  
56  
55  
54  
53  
52  
51  
50  
49  
48  
47  
46  
45  
44  
43  
42  
41  
40  
39  
38  
37  
36  
35  
34  
33  
32  
31  
30  
29  
28  
27  
26  
25  
24  
23  
22  
21  
20  
19  
18  
17  
16  
15  
14  
13  
12  
11  
10  
9  
8  
7  
6  
5  
4

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3  
2  
1



**Compilation Status:** Passed

**Execution Time:**

0.009s

**TestCase2:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

5  
4  
3  
2  
1

**Compilation Status:** Passed

**Execution Time:**

0.01s

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

**Sample Input:**

348

**Sample Output:**

3 4 8

**Completion Status:** Completed

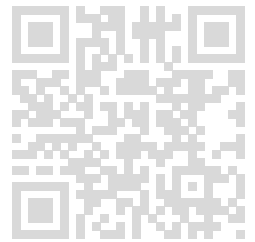
**Concepts Included:**

absolute beginner

basics

Looping

**Language Used:** PYTHON 3



**Source Code:**

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

**Compilation Details:**

**TestCase1:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

5 4 5 6 3 5 6

**Compilation Status:** Passed

**Execution Time:**

0.01s

**TestCase2:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

2 3 4 6

**Compilation Status:** Passed

**Execution Time:**

0.009s

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

without using temporary variable.

**Sample Input:**

GUVI

**Sample Output:**

IVUG

**Completion Status:** Completed

**Concepts Included:**

absolute beginner

basics

bit manipulation

Looping

**Language Used:** PYTHON 3

**Source Code:**

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

**Compilation Details:**

**TestCase1:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

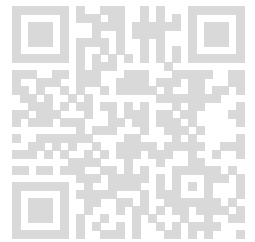
elgooG

**Compilation Status:** Passed

**Execution Time:**

0.01s

**TestCase2:**



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**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

koobecaf

**Compilation Status:** Passed

**Execution Time:**

0.009s

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

**Sample Input:**

6

**Sample Output:**

2  
4  
6

**Completion Status:** Completed

**Concepts Included:**

absolute beginner

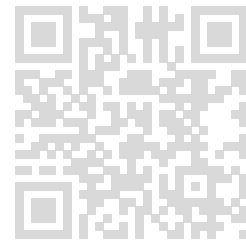
basics

Looping

**Language Used:** PYTHON 3

**Source Code:**

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

**Compilation Details:**

## TestCase1:

### Input:

< hidden >

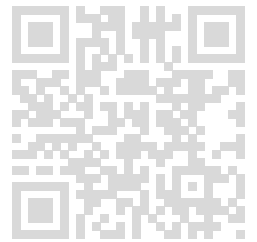
### Expected Output:

< hidden >

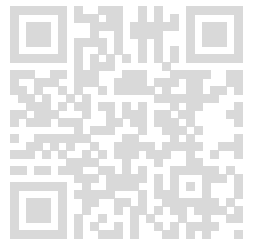
### Output:

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

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88  
90  
92  
94  
96  
98  
100



**Compilation Status:** Passed

**Execution Time:**

0.009s

**TestCase2:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

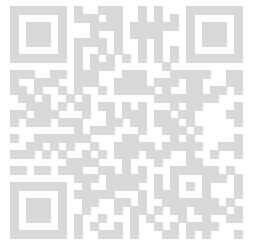
2  
4  
6  
8  
10  
12  
14  
16  
18  
20  
22  
24  
26  
28  
30  
32  
34  
36  
38  
40  
42  
44  
46  
48  
50

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**Compilation Status:** Passed

**Execution Time:**

0.01s



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

**Completion Status:** Completed

**Concepts Included:**

basics

mathematics

**Language Used:** PYTHON 3

**Source Code:**

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

**Compilation Details:**

**TestCase1:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

0

**Compilation Status:** Passed

**Execution Time:**

0.009s

**TestCase2:**

**Input:**

< hidden >

### Expected Output:

< hidden >

### Output:

1

**Compilation Status:** Passed

**Execution Time:**

0.009s

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

### Sample Input:

2 3

### Sample Output:

1

**Completion Status:** Completed

### Concepts Included:

absolute beginner

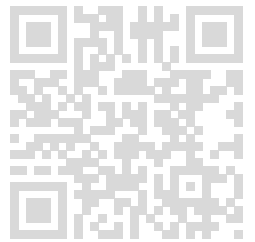
basics

Looping

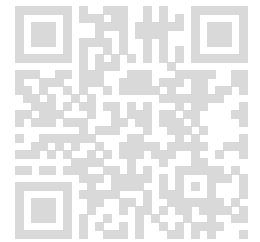
**Language Used:** PYTHON 3

### Source Code:

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



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



### Compilation Details:

#### TestCase1:

##### Input:

< hidden >

##### Expected Output:

< hidden >

##### Output:

19

**Compilation Status:** Passed

##### Execution Time:

0.009s

#### TestCase2:

##### Input:

< hidden >

##### Expected Output:

< hidden >

##### Output:

15

**Compilation Status:** Passed

##### Execution Time:

0.009s

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

##### Sample Input:

10

## Sample Output:

55

**Completion Status:** Completed

## Concepts Included:

absolute beginner

basics

Looping

**Language Used:** PYTHON 3

## Source Code:

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

## Compilation Details:

### TestCase1:

#### Input:

< hidden >

#### Expected Output:

< hidden >

#### Output:

5050

**Compilation Status:** Passed

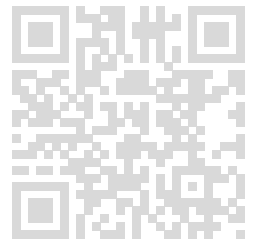
#### Execution Time:

0.012s

### TestCase2:

#### Input:

< hidden >



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**Expected Output:**

< hidden >

**Output:**

1225

**Compilation Status:** Passed

**Execution Time:**

0.012s

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

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

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

**Sample Input:**

1000 2 5

**Sample Output:**

100.00

**Completion Status:** Completed

**Concepts Included:**

absolute beginner

**Language Used:** PYTHON 3

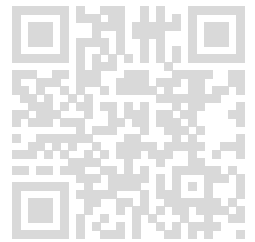
**Source Code:**

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

**Compilation Details:**

**TestCase1:**

**Input:**





< hidden >

**Expected Output:**

< hidden >

**Output:**

100.0

**Compilation Status:** Passed

**Execution Time:**

0.015s

**TestCase2:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

112.2

**Compilation Status:** Passed

**Execution Time:**

0.01s

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

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

**Sample Input:**

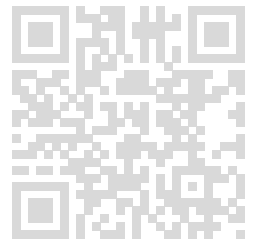
1  
1

**Sample Output:**

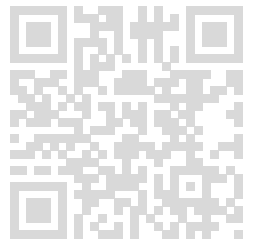
2

**Completion Status:** Completed

**Concepts Included:**



absolute beginner



**Language Used:** PYTHON 3

**Source Code:**

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

**Compilation Details:**

**TestCase1:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

20

**Compilation Status:** Passed

**Execution Time:**

0.01s

**TestCase2:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

27

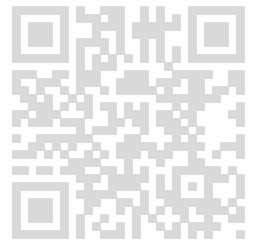
**Compilation Status:** Passed

**Execution Time:**

0.009s

Susmitha (kallurisusmitha93@gmail.com)

**39. Given numbers A,B find  $A^B$ . Input Size :  $1 \leq A \leq 5 \leq B \leq 50$  Sample Testcase : INPUT3 4 OUTPUT81**



**Completion Status:** Completed

**Concepts Included:**

array

mathematics

basics

**Language Used:** PYTHON 3

**Source Code:**

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

**Compilation Details:**

**TestCase1:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

243

**Compilation Status:** Passed

**Execution Time:**

0.01s

**TestCase2:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

Susmitha (kallurisusmitha93@gmail.com)

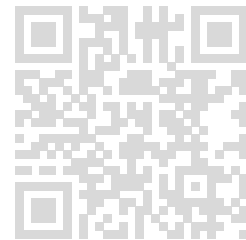
**Output:**

4

**Compilation Status:** Passed

**Execution Time:**

0.01s



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

**Completion Status:** Completed

**Concepts Included:**

mathematics

companies

basics

**Language Used:** PYTHON 3

**Source Code:**

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

**Compilation Details:****TestCase1:****Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

4.5

**Compilation Status:** Passed

**Execution Time:**

0.009s

Susmitha (kallurisusmitha93@gmail.com)

## TestCase2:

### Input:

< hidden >

### Expected Output:

< hidden >

### Output:

16.0

**Compilation Status:** Passed

**Execution Time:**

0.01s

**41. Given a range of 2 numbers (i.e) L and R count the number of prime numbers in the range (inclusive of L and R ).Input Size :  $L \leq R \leq 100000$  (complexity  $O(n)$  read about Sieve of Eratosthenes)Sample Testcase :INPUT2 50OUTPUT3**

**Completion Status:** Not Completed

### Concepts Included:

mathematics

basics

**Language Used:** PYTHON 3

### Source Code:

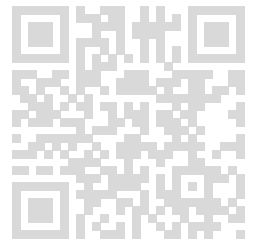
```
a,b=map(int,input().split())
count=0
for i in range(a,b):
count+=1
print(count)
```

### Compilation Details:

## TestCase1:

### Input:

< hidden >



**Expected Output:**

< hidden >

**Output:**

5

**Compilation Status:** Failed

**Execution Time:**

0.01s

**TestCase2:****Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

7

**Compilation Status:** Failed

**Execution Time:**

0.01s

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

**Sample Input:**

1234

**Sample Output:**

2 4

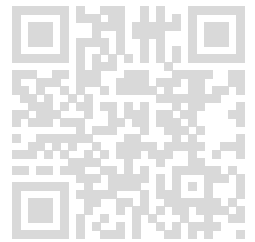
1 3

**Completion Status:** Completed

**Concepts Included:**

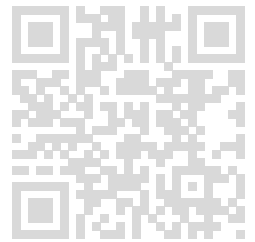
basics

absolute beginner



Looping

**Language Used:** PYTHON 3



**Source Code:**

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

**Compilation Details:**

**TestCase1:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

2 2 4  
3 3 3

**Compilation Status:** Passed

**Execution Time:**

0.009s

**TestCase2:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

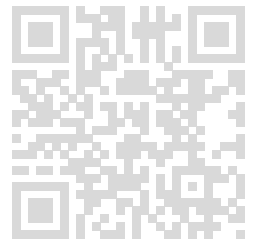
Susmitha (kallurusmitha93@gmail.com)

2 2 2 4  
3 3 5 5 5

**Compilation Status:** Passed

**Execution Time:**

0.009s



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

**Sample Input:**

124

**Sample Output:**

7

**Completion Status:** Completed

**Concepts Included:**

absolute beginner

basics

Looping

**Language Used:** PYTHON 3

**Source Code:**

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

**Compilation Details:**

**TestCase1:**

**Input:**

< hidden >

**Expected Output:**

Susmitha (kallurisusmitha93@gmail.com)



< hidden >

**Output:**

45

**Compilation Status:** Passed

**Execution Time:**

0.009s

**TestCase2:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

49

**Compilation Status:** Passed

**Execution Time:**

0.01s

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

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

**Sample Input:**

18

**Sample Output:**

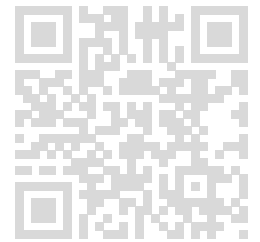
324

**Completion Status:** Completed

**Concepts Included:**

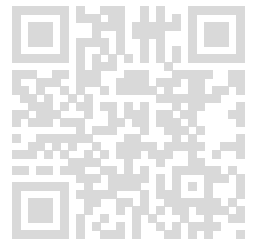
absolute beginner

**Language Used:** PYTHON 3



### Source Code:

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



### Compilation Details:

#### TestCase1:

##### Input:

< hidden >

##### Expected Output:

< hidden >

##### Output:

324

**Compilation Status:** Passed

##### Execution Time:

0.009s

#### TestCase2:

##### Input:

< hidden >

##### Expected Output:

< hidden >

##### Output:

0

**Compilation Status:** Passed

##### Execution Time:

0.009s

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

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

**Sample Input:**

2

**Sample Output:**

12.57

**Completion Status:** Completed

**Concepts Included:**

absolute beginner

**Language Used:** PYTHON 3

**Source Code:**

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

**Compilation Details:****TestCase1:****Input:**

< hidden >

**Expected Output:**

< hidden >

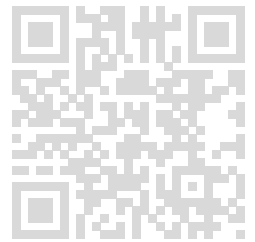
**Output:**

12.57

**Compilation Status:** Passed

**Execution Time:**

0.01s

**TestCase2:****Input:**

Susmitha (kallurisusmitha93@gmail.com)

< hidden >

**Expected Output:**

< hidden >

**Output:**

2.51

**Compilation Status:** Passed

**Execution Time:**

0.01s

**46. Given a string convert string into upper case**

**Sample Input:**

guvi geek

**Sample Output:**

GUVI GEEK

**Completion Status:** Completed

**Concepts Included:**

zen

**Language Used:** PYTHON 3

**Source Code:**

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

**Compilation Details:**

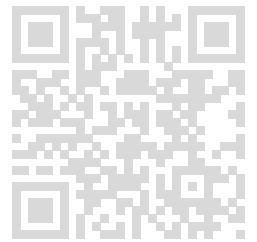
**TestCase1:**

**Input:**

< hidden >

**Expected Output:**

< hidden >



**Output:**

GUVI GEEK

**Compilation Status:** Passed

**Execution Time:**

0.009s

**TestCase2:****Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

HELLO

**Compilation Status:** Passed

**Execution Time:**

0.009s

**47. Given a string convert string into lower case****Sample Input:**

Guvi Geek

**Sample Output:**

guvi geek

**Completion Status:** Completed

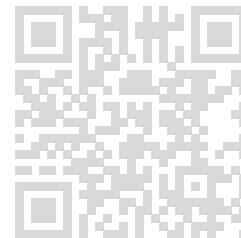
**Concepts Included:**

zen

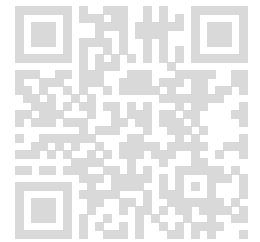
**Language Used:** PYTHON 3

**Source Code:**

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



## Compilation Details:



### TestCase1:

#### Input:

< hidden >

#### Expected Output:

< hidden >

#### Output:

guvi geek

**Compilation Status:** Passed

#### Execution Time:

0.01s

### TestCase2:

#### Input:

< hidden >

#### Expected Output:

< hidden >

#### Output:

well

**Compilation Status:** Passed

#### Execution Time:

0.009s

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

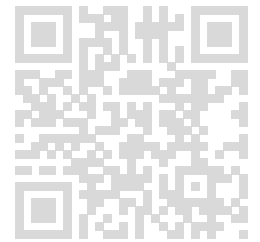
#### Sample Input:

5

#### Sample Output:

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

\* \*  
\*



**Completion Status:** Completed

**Concepts Included:**

patterns

**Language Used:** PYTHON 3

**Source Code:**

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

```
# Sample Input  
rows = int(input())
```

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

**Compilation Details:**

**TestCase1:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

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

**Compilation Status:** Passed

**Execution Time:**

0.009s

### TestCase2:

#### Input:

< hidden >

#### Expected Output:

< hidden >

#### Output:

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

**Compilation Status:** Passed

#### Execution Time:

0.009s

### 49. Generate a half pyramid pattern using numbers.

#### Sample Input:

5

#### Sample Output:

```
1
12
123
1234
12345
```

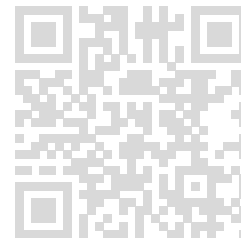
**Completion Status:** Completed

#### Concepts Included:

patterns

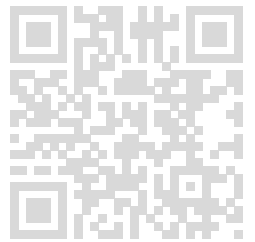
**Language Used:** PYTHON 3

#### Source Code:





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



### Compilation Details:

#### TestCase1:

##### Input:

< hidden >

##### Expected Output:

< hidden >

##### Output:

1  
12  
123  
1234  
12345

**Compilation Status:** Passed

##### Execution Time:

0.009s

#### TestCase2:

##### Input:

< hidden >

##### Expected Output:

< hidden >

##### Output:

1  
12  
123

**Compilation Status:** Passed

##### Execution Time:

0.009s

Susmitha (kallurisusmitha93@gmail.com)

## 50. Generate a solid rectangle using stars.

### Sample Input:

3 5

### Sample Output:

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

**Completion Status:** Completed

### Concepts Included:

patterns

**Language Used:** PYTHON 3

### Source Code:

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

### Compilation Details:

#### TestCase1:

##### Input:

< hidden >

##### Expected Output:

< hidden >

##### Output:

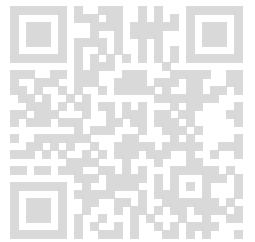
```
*****
*****
*****
```

**Compilation Status:** Passed

### Execution Time:

0.01s

#### TestCase2:



**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

\*

**Compilation Status:** Passed

**Execution Time:**

0.01s

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

**Sample Input:**

5  
1 6 4 0 3

**Sample Output:**

-2

**Completion Status:** Completed

**Concepts Included:**

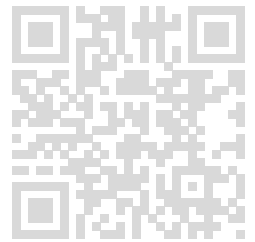
array

numbers

**Language Used:** PYTHON 3

**Source Code:**

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

**Compilation Details:**

### TestCase1:

#### Input:

< hidden >

#### Expected Output:

< hidden >

#### Output:

-2

**Compilation Status:** Passed

**Execution Time:**

0.011s

### TestCase2:

#### Input:

< hidden >

#### Expected Output:

< hidden >

#### Output:

5

**Compilation Status:** Passed

**Execution Time:**

0.009s

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

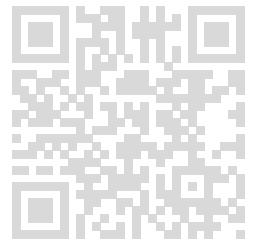
#### Sample Input:

121

#### Sample Output:

Saturated

**Completion Status:** Completed

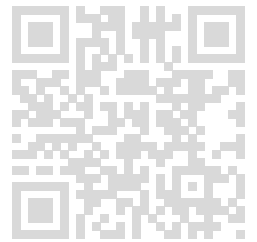


Susmitha (kallurisusmitha93@gmail.com)

## Concepts Included:

mathematics

numbers



## Language Used: PYTHON 3

### Source Code:

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

### Compilation Details:

#### TestCase1:

##### Input:

< hidden >

##### Expected Output:

< hidden >

##### Output:

Saturated

**Compilation Status:** Passed

##### Execution Time:

0.01s

#### TestCase2:

##### Input:

< hidden >

##### Expected Output:

< hidden >

##### Output:

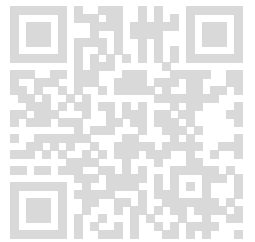
Saturated

**Compilation Status:** Passed

Susmitha (kallurususmitha93@gmail.com)

**Execution Time:**

0.01s



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

**Completion Status:** Completed

**Concepts Included:**

mathematics

**Language Used:** PYTHON 3

**Source Code:**

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

**Compilation Details:**

**TestCase1:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

yes

**Compilation Status:** Passed

**Execution Time:**

0.01s

**TestCase2:**

**Input:**

< hidden >

Susmitha (kallurisusmitha93@gmail.com)

**Expected Output:**

< hidden >

**Output:**

no

**Compilation Status:** Passed

**Execution Time:**

0.016s

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

**Sample Input:**

3 5

**Sample Output:**

1

**Completion Status:** Completed

**Concepts Included:**

mathematics

**Language Used:** PYTHON 3

**Source Code:**

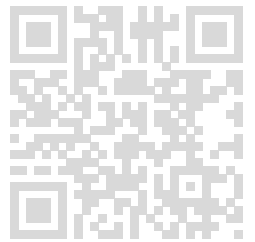
```
n,m=map(int,input().split())
if n%m!=0:
print("1")
else:
print("0")
```

**Compilation Details:**

**TestCase1:**

**Input:**

< hidden >



**Expected Output:**

< hidden >

**Output:**

1

**Compilation Status:** Passed

**Execution Time:**

0.011s

**TestCase2:****Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

1

**Compilation Status:** Passed

**Execution Time:**

0.01s

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

$$m+j=n$$

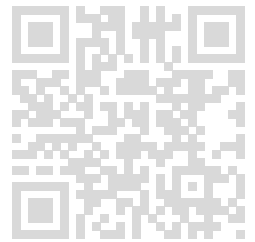
**Sample Input:**

59

**Sample Output:**

Great

**Completion Status:** Completed

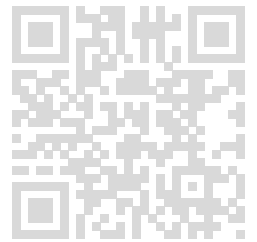




## Concepts Included:

mathematics

numbers



**Language Used:** PYTHON 3

## Source Code:

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

## Compilation Details:

### TestCase1:

#### Input:

< hidden >

#### Expected Output:

< hidden >

#### Output:

Great

**Compilation Status:** Passed

#### Execution Time:

0.01s

### TestCase2:

#### Input:

< hidden >

#### Expected Output:

< hidden >

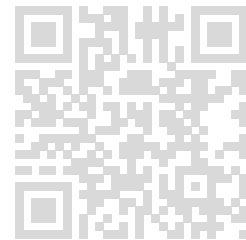
#### Output:

no

**Compilation Status:** Passed

**Execution Time:**

0.01s



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

**Completion Status:** Completed

**Concepts Included:**

mathematics

**Language Used:** PYTHON 3

**Source Code:**

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

**Compilation Details:**

**TestCase1:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

0

**Compilation Status:** Passed

**Execution Time:**

0.01s

**TestCase2:**

**Input:**

< hidden >

**Expected Output:**

Susmitha (kallurisusmitha93@gmail.com)

< hidden >

**Output:**

1

**Compilation Status:** Passed

**Execution Time:**

0.01s

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

**$O(1)$  time and  $O(1)$  space**

**Sample Input:**

13

**Sample Output:**

not

**Completion Status:** Completed

**Concepts Included:**

mathematics

**Language Used:** PYTHON 3

**Source Code:**

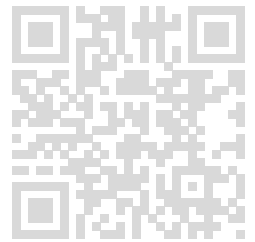
```
def number(n):  
    if n%3==0:  
        print("yes")  
    else:  
        print("not")
```

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

**Compilation Details:**

**TestCase1:**

**Input:**



< hidden >

**Expected Output:**

< hidden >

**Output:**

not

**Compilation Status:** Passed

**Execution Time:**

0.01s

**TestCase2:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

not

**Compilation Status:** Passed

**Execution Time:**

0.01s

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

**Completion Status:** Completed

**Concepts Included:**

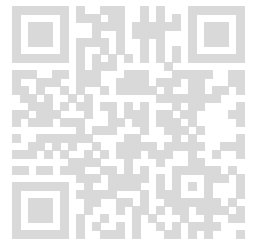
mathematics

basics

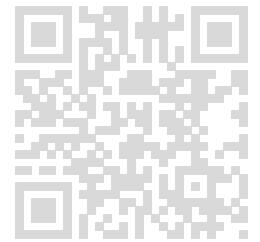
**Language Used:** PYTHON 3

**Source Code:**

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



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



### Compilation Details:

#### TestCase1:

##### Input:

< hidden >

##### Expected Output:

< hidden >

##### Output:

yes

**Compilation Status:** Passed

##### Execution Time:

0.01s

#### TestCase2:

##### Input:

< hidden >

##### Expected Output:

< hidden >

##### Output:

no

**Compilation Status:** Passed

##### Execution Time:

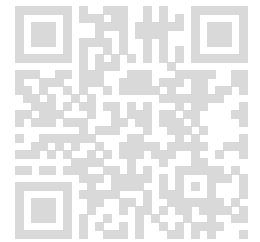
0.015s

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

**Completion Status:** Completed

**Concepts Included:**

mathematics



**Language Used:** PYTHON 3

**Source Code:**

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

**Compilation Details:**

**TestCase1:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

100

**Compilation Status:** Passed

**Execution Time:**

0.01s

**TestCase2:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

10

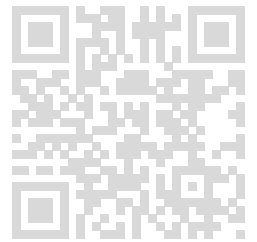
**Compilation Status:** Passed

**Execution Time:**

0.01s

Susmitha (kallurusmitha93@gmail.com)

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



**Condition:-**

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

**Sample Input:**

```
6
112 139 165 175 262 130
22
```

**Sample Output:**

```
0 0 0 0 0 0
```

**Completion Status:** Completed

**Concepts Included:**

mathematics

numbers

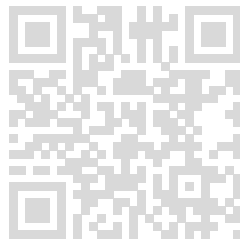
**Language Used:** PYTHON 3

**Source Code:**

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

**Compilation Details:**

**TestCase1:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

0 0 0 0 0

**Compilation Status:** Passed

**Execution Time:**

0.01s

**TestCase2:****Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

1 0 0 0 0 0 0 0 0

**Compilation Status:** Passed

**Execution Time:**

0.01s

Susmitha (kallurisusmitha93@gmail.com)

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

**Completion Status:** Completed

**Concepts Included:**

mathematics

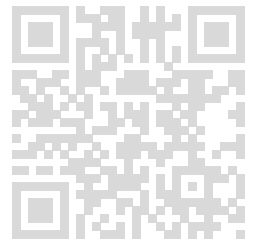
**Language Used:** PYTHON 3

**Source Code:**

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



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



### Compilation Details:

#### TestCase1:

##### Input:

< hidden >

##### Expected Output:

< hidden >

##### Output:

even

**Compilation Status:** Passed

##### Execution Time:

0.01s

#### TestCase2:

##### Input:

< hidden >

##### Expected Output:

< hidden >

##### Output:

odd

**Compilation Status:** Passed

##### Execution Time:

0.01s

62. Given a number N, print the odd digits in the number(space seperated) or print -1 if there is no odd digit in the given

number.Input Size : N <= 100000Sample

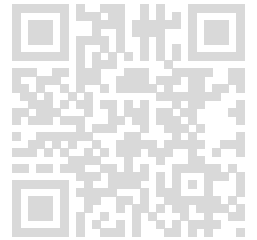
Testcase :INPUT2143OUTPUT1 3

**Completion Status:** Completed

## Concepts Included:

array

mathematics



## Language Used: PYTHON 3

### Source Code:

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

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

### Compilation Details:

#### TestCase1:

##### Input:

< hidden >

##### Expected Output:

< hidden >

##### Output:

-1

**Compilation Status:** Passed

##### Execution Time:

0.009s

#### TestCase2:

##### Input:

< hidden >

##### Expected Output:

< hidden >

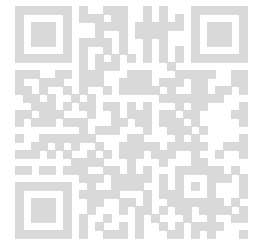
Susmitha (kallurisusmitha93@gmail.com)

**Output:**

1 3

**Compilation Status:** Passed**Execution Time:**

0.011s



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

**Note:**Both numbers lie in range  $1 \leq a, b < n$

**Sample Input:**

5

**Sample Output:**

4

**Completion Status:** Completed**Concepts Included:**

mathematics

integer

numbers

**Language Used:** PYTHON 3**Source Code:**

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

## Compilation Details:

### TestCase1:

#### Input:

< hidden >

#### Expected Output:

< hidden >

#### Output:

22

**Compilation Status:** Passed

#### Execution Time:

0.01s

### TestCase2:

#### Input:

< hidden >

#### Expected Output:

< hidden >

#### Output:

11

**Compilation Status:** Passed

#### Execution Time:

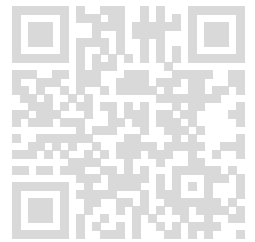
0.009s

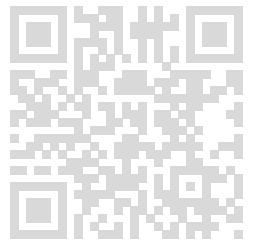
64. Simi is learning about palindromic numbers. Her teacher gave him the task to count all palindromic numbers present in that range. Simi has told you about this and want your help. You design an algorithm in order to help simi.

#### Sample Input:

5

#### Sample Output:





**Completion Status:** Completed

**Concepts Included:**

mathematics

**Language Used:** PYTHON 3

**Source Code:**

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

**Compilation Details:**

**TestCase1:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

7

**Compilation Status:** Passed

**Execution Time:**

0.01s

**TestCase2:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

9

**Compilation Status:** Passed

**Execution Time:**

0.01s

**65. Write a program to print the sum of the first K natural numbers.** Input Size :  $n \leq 100000$  Sample Testcase : INPUT3 OUTPUT6

**Completion Status:** Completed

**Concepts Included:**

basics

mathematics

**Language Used:** PYTHON 3

**Source Code:**

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

**Compilation Details:**

**TestCase1:**

**Input:**

< hidden >

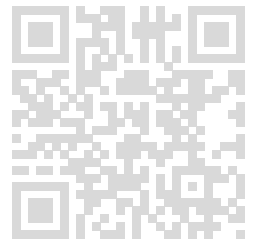
**Expected Output:**

< hidden >

**Output:**

1

**Compilation Status:** Passed



**Execution Time:**

0.009s

**TestCase2:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

210

**Compilation Status:** Passed

**Execution Time:**

0.009s

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

**Note:**Don't use sorting

**Sample Input:**

5  
3 4 9 1 6

**Sample Output:**

1

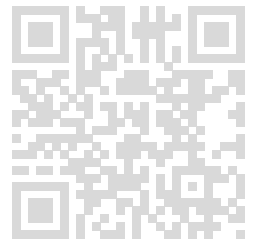
**Completion Status:** Completed

**Concepts Included:**

mathematics

array

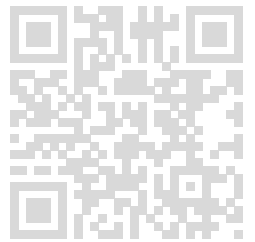
**Language Used:** PYTHON 3



Susmitha (kallurisusmitha@gmail.com)

### Source Code:

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



### Compilation Details:

#### TestCase1:

##### Input:

< hidden >

##### Expected Output:

< hidden >

##### Output:

2

**Compilation Status:** Passed

##### Execution Time:

0.01s

#### TestCase2:

##### Input:

< hidden >

##### Expected Output:

< hidden >

##### Output:

0

**Compilation Status:** Passed

##### Execution Time:

0.01s

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

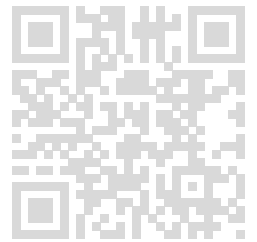
**Completion Status:** Completed



## Concepts Included:

mathematics

basics



**Language Used:** PYTHON 3

## Source Code:

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

## Compilation Details:

### TestCase1:

#### Input:

< hidden >

#### Expected Output:

< hidden >

#### Output:

yes

**Compilation Status:** Passed

#### Execution Time:

0.011s

### TestCase2:

#### Input:

< hidden >

#### Expected Output:

< hidden >

#### Output:

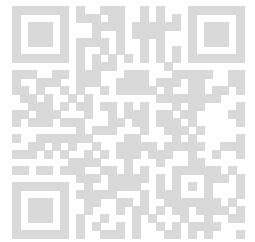
Susmitha (kallurisusmitha93@gmail.com)

no

**Compilation Status:** Passed

**Execution Time:**

0.011s



**68. Given a number N, find its next immediate greater power of 2 (i.e  $2^1$ ,  $2^2$ ,  $2^3$ ...). Input Size :  $N \leq 1000$  Sample Testcase : INPUT4 OUTPUT8**

**Completion Status:** Completed

**Concepts Included:**

mathematics

**Language Used:** PYTHON 3

**Source Code:**

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

**Compilation Details:**

**TestCase1:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

32

**Compilation Status:** Passed

**Execution Time:**

0.01s

Susmitha (kallurisusmitha93@gmail.com)

## TestCase2:

### Input:

< hidden >

### Expected Output:

< hidden >

### Output:

128

**Compilation Status:** Passed

**Execution Time:**

0.01s

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

### Sample Input:

3  
7 4 9

### Sample Output:

3

**Completion Status:** Not Completed

### Concepts Included:

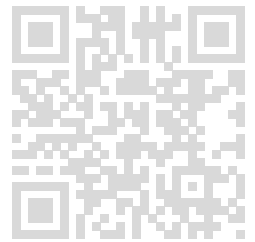
array

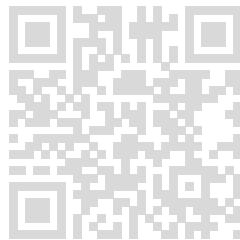
mathematics

**Language Used:** PYTHON 3

### Source Code:

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





### Compilation Details:

#### TestCase1:

##### Input:

< hidden >

##### Expected Output:

< hidden >

##### Output:

3

**Compilation Status:** Passed

##### Execution Time:

0.01s

#### TestCase2:

##### Input:

< hidden >

##### Expected Output:

< hidden >

##### Output:

3

**Compilation Status:** Failed

##### Execution Time:

0.01s

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

**Completion Status:** Completed

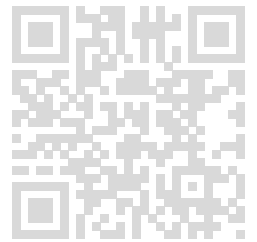
#### Concepts Included:

mathematics

**Language Used:** PYTHON 3

### Source Code:

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



### Compilation Details:

#### TestCase1:

##### Input:

< hidden >

##### Expected Output:

< hidden >

##### Output:

0

Compilation Status: Passed

##### Execution Time:

0.01s

#### TestCase2:

##### Input:

< hidden >

##### Expected Output:

< hidden >

##### Output:

256

Compilation Status: Passed

##### Execution Time:

0.01s

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

### Sample Input:

7  
1 2 3 4 6 0 0

### Sample Output:

1

**Completion Status:** Completed

### Concepts Included:

mathematics

array

Amazon

Facebook

United-Health-Group

guvi-learning-path

**Language Used:** PYTHON 3

### Source Code:

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

### Compilation Details:

#### TestCase1:

##### Input:

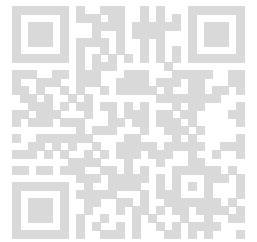
< hidden >

##### Expected Output:

< hidden >

##### Output:

1

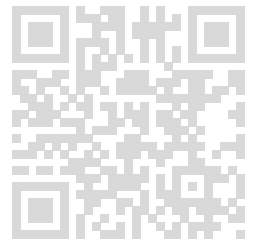


Susmitha (kallurisusmitha93@gmail.com)

**Compilation Status:** Passed

**Execution Time:**

0.01s



**TestCase2:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

0

**Compilation Status:** Passed

**Execution Time:**

0.01s

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

**Completion Status:** Completed

**Concepts Included:**

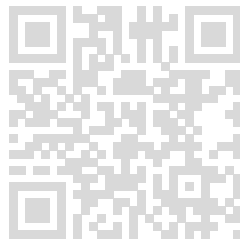
mathematics

**Language Used:** PYTHON 3

**Source Code:**

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

**Compilation Details:**



### TestCase1:

#### Input:

< hidden >

#### Expected Output:

< hidden >

#### Output:

yes

**Compilation Status:** Passed

**Execution Time:**

0.01s

### TestCase2:

#### Input:

< hidden >

#### Expected Output:

< hidden >

#### Output:

no

**Compilation Status:** Passed

**Execution Time:**

0.01s

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

**Completion Status:** Completed

**Concepts Included:**

basics

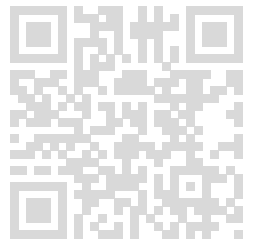
array

**Language Used:** PYTHON 3



### Source Code:

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



### Compilation Details:

#### TestCase1:

##### Input:

< hidden >

##### Expected Output:

< hidden >

##### Output:

yes

**Compilation Status:** Passed

##### Execution Time:

0.011s

#### TestCase2:

##### Input:

< hidden >

##### Expected Output:

< hidden >

##### Output:

no

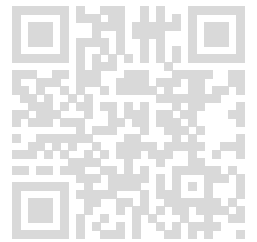
**Compilation Status:** Passed

##### Execution Time:

0.012s

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

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



**Completion Status:** Completed

**Concepts Included:**

basics

mathematics

array

**Language Used:** PYTHON 3

**Source Code:**

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

**Compilation Details:**

**TestCase1:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

0

**Compilation Status:** Passed

**Execution Time:**

0.009s

**TestCase2:**

**Input:**

< hidden >

### Expected Output:

< hidden >

### Output:

-1

Compilation Status: Passed

### Execution Time:

0.009s

75. Given a number N, print 'yes' if it is composite else print 'no'. Sample Testcase : INPUT123 OUTPUTyes

Completion Status: Completed

### Concepts Included:

mathematics

basics

Language Used: PYTHON 3

### Source Code:

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

### Compilation Details:

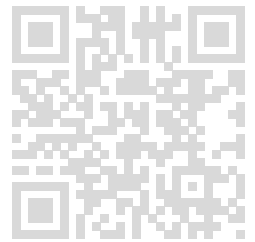
### TestCase1:

### Input:

< hidden >

### Expected Output:

< hidden >



Susmitha (kallurisusmitha93@gmail.com)

**Output:**

no

**Compilation Status:** Passed**Execution Time:**

0.01s

**TestCase2:****Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

yes

**Compilation Status:** Passed**Execution Time:**

0.011s

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

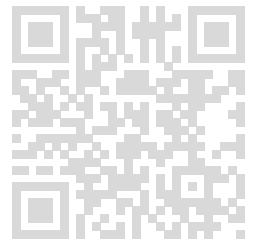
**Completion Status:** Completed**Concepts Included:**

basics

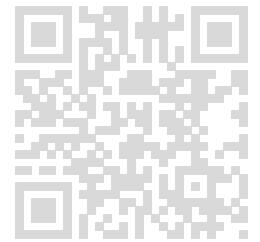
mathematics

**Language Used:** PYTHON 3**Source Code:**

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



## Compilation Details:



### TestCase1:

#### Input:

< hidden >

#### Expected Output:

< hidden >

#### Output:

odd

**Compilation Status:** Passed

#### Execution Time:

0.01s

### TestCase2:

#### Input:

< hidden >

#### Expected Output:

< hidden >

#### Output:

even

**Compilation Status:** Passed

#### Execution Time:

0.01s

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

**Completion Status:** Completed

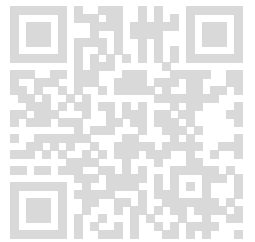
### Concepts Included:

mathematics

array

bitwise

basics



**Language Used:** PYTHON 3

**Source Code:**

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

**Compilation Details:**

**TestCase1:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

3 2 5 4 5 6

**Compilation Status:** Passed

**Execution Time:**

0.01s

**TestCase2:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

2 3 2 3 1

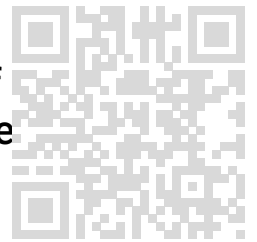
**Compilation Status:** Passed

**Execution Time:**

0.01s

Susmitha (kallurisusmitha93@gmail.com)

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



**Completion Status:** Completed

**Concepts Included:**

mathematics

basics

**Language Used:** PYTHON 3

**Source Code:**

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

**Compilation Details:**

**TestCase1:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

yes

**Compilation Status:** Passed

**Execution Time:**

0.01s

**TestCase2:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

### Output:

no

**Compilation Status:** Passed

**Execution Time:**

0.011s

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

**Completion Status:** Completed

### Concepts Included:

mathematics

basics

**Language Used:** PYTHON 3

### Source Code:

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

### Compilation Details:

#### TestCase1:

#### Input:

< hidden >

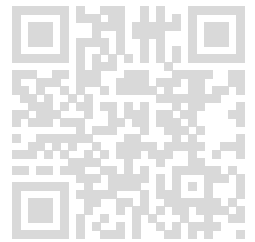
#### Expected Output:

< hidden >

#### Output:

no

**Compilation Status:** Passed





**Execution Time:**

0.009s

**TestCase2:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

yes

**Compilation Status:** Passed

**Execution Time:**

0.009s

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

**Completion Status:** Completed

**Concepts Included:**

bitwise

basics

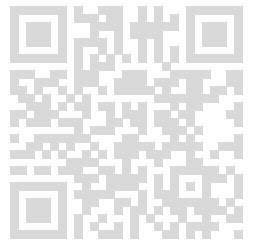
**Language Used:** PYTHON 3

**Source Code:**

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

**Compilation Details:**

**TestCase1:**



**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

7

**Compilation Status:** Passed

**Execution Time:**

0.01s

**TestCase2:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

1

**Compilation Status:** Passed

**Execution Time:**

0.009s

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

**Completion Status:** Completed

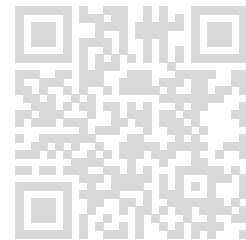
**Concepts Included:**

mathematics

basics

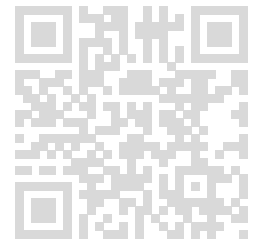
**Language Used:** PYTHON 3

**Source Code:**



Susmitha (kallurisusmitha93@gmail.com)

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



### Compilation Details:

#### TestCase1:

##### Input:

< hidden >

##### Expected Output:

< hidden >

##### Output:

no

**Compilation Status:** Passed

##### Execution Time:

0.01s

#### TestCase2:

##### Input:

< hidden >

##### Expected Output:

< hidden >

##### Output:

yes

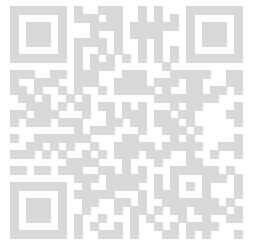
**Compilation Status:** Passed

##### Execution Time:

0.01s

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

**Completion Status:** Completed



**Concepts Included:**

mathematics

basics

**Language Used:** PYTHON 3

**Source Code:**

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

**Compilation Details:**

**TestCase1:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

1

**Compilation Status:** Passed

**Execution Time:**

0.01s

**TestCase2:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

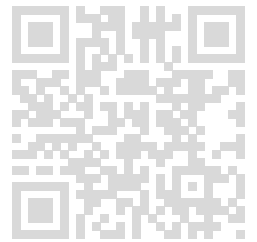
Susmitha (kallurisusmitha93@gmail.com)

-1

**Compilation Status:** Passed

**Execution Time:**

0.01s



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

**Completion Status:** Completed

**Concepts Included:**

basics

**Language Used:** PYTHON 3

**Source Code:**

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

**Compilation Details:**

**TestCase1:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

0

**Compilation Status:** Passed

**Execution Time:**

0.01s

Susmitha (kallurisusmitha93@gmail.com)

## TestCase2:

### Input:

< hidden >

### Expected Output:

< hidden >

### Output:

1

**Compilation Status:** Passed

**Execution Time:**

0.009s

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

**Completion Status:** Completed

### Concepts Included:

strings

basics

companies

**Language Used:** PYTHON 3

### Source Code:

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

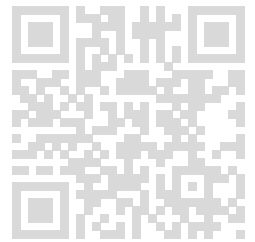
### Compilation Details:

## TestCase1:

### Input:

< hidden >

### Expected Output:



< hidden >

**Output:**

world hello

**Compilation Status:** Passed

**Execution Time:**

0.009s

**TestCase2:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

a h

**Compilation Status:** Passed

**Execution Time:**

0.01s

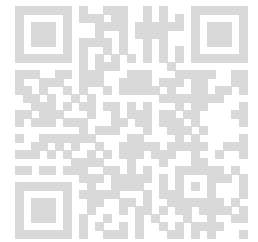
85. Kabali is a brave warrior who with his group of young ninjas moves from one place to another to fight against his opponents. Before Fighting he just calculates one thing, the difference between his ninja number and the opponent's ninja number. From this difference he decides whether to fight or not.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

**Completion Status:** Completed

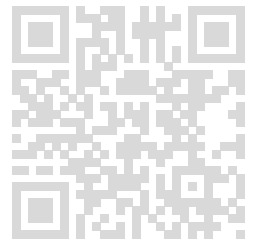
**Concepts Included:**

mathematics

basics



**Language Used:** PYTHON 3



**Source Code:**

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

**Compilation Details:**

**TestCase1:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

90

**Compilation Status:** Passed

**Execution Time:**

0.01s

**TestCase2:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

88

**Compilation Status:** Passed

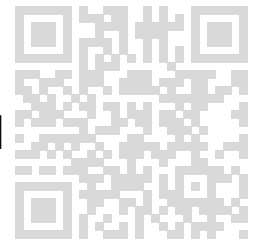
**Execution Time:**

0.009s

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



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



**Completion Status:** Not Completed

**Concepts Included:**

array

companies

**Language Used:** PYTHON 3

**Source Code:**

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

**Compilation Details:**

**TestCase1:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

6

**Compilation Status:** Failed

**Execution Time:**

0.01s

**TestCase2:**

**Input:**

< hidden >

**Expected Output:**

Susmitha (kallurisusmitha93@gmail.com)

< hidden >

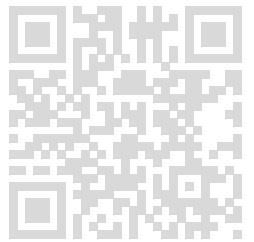
### Output:

5

**Compilation Status:** Failed

**Execution Time:**

0.01s



**87. Given a number N print a right angled triangle structure with the starting level as single 1 and every immediate proceeding level with 2 more additional ones than the previous level .Repeat the pattern for N levels.Input Size : N <= 1000Sample Testcase :INPUT3OUTPUT1 1 1 1 1 1 1**

**Completion Status:** Not Completed

### Concepts Included:

trees and graphs

array

companies

**Language Used:** PYTHON 3

### Source Code:

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

### Compilation Details:

#### TestCase1:

#### Input:

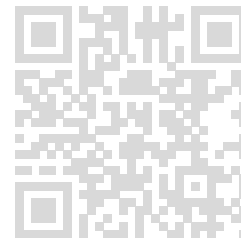
< hidden >

#### Expected Output:

< hidden >

#### Output:

```
1
1 1
1 1 1
1 1 1 1
```



**Compilation Status:** Failed

**Execution Time:**

0.01s

**TestCase2:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

```
1
1 1
1 1 1
1 1 1 1
1 1 1 1 1
```

**Compilation Status:** Failed

**Execution Time:**

0.01s

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

**Completion Status:** Completed

**Concepts Included:**

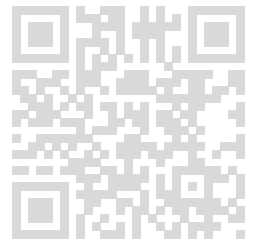
array

basics

**Language Used:** PYTHON 3

**Source Code:**

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



### Compilation Details:

#### TestCase1:

##### Input:

< hidden >

##### Expected Output:

< hidden >

##### Output:

2 5

**Compilation Status:** Passed

##### Execution Time:

0.01s

#### TestCase2:

##### Input:

< hidden >

##### Expected Output:

< hidden >

##### Output:

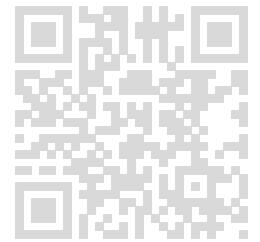
4 1

**Compilation Status:** Passed

##### Execution Time:

Susmitha (kallurusmitha93@gmail.com)

0.01s



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

**Completion Status:** Completed

**Concepts Included:**

strings

basics

**Language Used:** PYTHON 3

**Source Code:**

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

**Compilation Details:**

**TestCase1:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

D

**Compilation Status:** Passed

**Execution Time:**

0.01s

## TestCase2:

### Input:

< hidden >

### Expected Output:

< hidden >

### Output:

D

Compilation Status: Passed

Execution Time:

0.01s

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

Example: INPUT 3 2 1 OUTPUT 1

Completion Status: Not Completed

### Concepts Included:

array

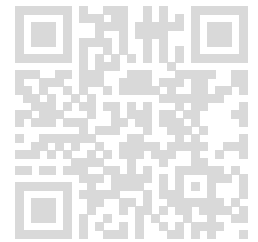
mathematics

companies

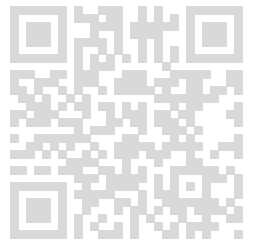
basics

Language Used: PYTHON 3

Source Code:



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



### Compilation Details:

#### TestCase1:

##### Input:

< hidden >

##### Expected Output:

< hidden >

##### Output:

1

**Compilation Status:** Passed

##### Execution Time:

0.009s

#### TestCase2:

##### Input:

< hidden >

##### Expected Output:

< hidden >

##### Output:

1

**Compilation Status:** Failed

##### Execution Time:

0.01s

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

**Completion Status:** Completed

## Concepts Included:

mathematics

**Language Used:** PYTHON 3

## Source Code:

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

## Compilation Details:

### TestCase1:

#### Input:

< hidden >

#### Expected Output:

< hidden >

#### Output:

3

**Compilation Status:** Passed

#### Execution Time:

0.01s

### TestCase2:

#### Input:

< hidden >

#### Expected Output:

< hidden >

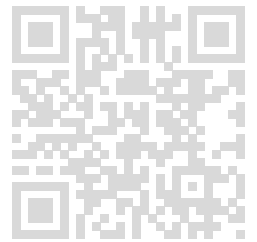
#### Output:

7

**Compilation Status:** Passed

#### Execution Time:

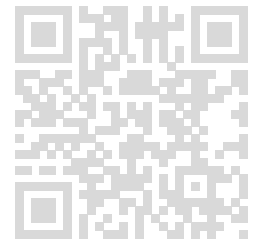
0.009s



Susmitha (kallurisusmitha93@gmail.com)



**92. Given a number N, print its reverse.**Input Size :  $n \leq 1000$   
Sample Testcase :INPUT10OUTPUT1



**Completion Status:** Completed

**Concepts Included:**

mathematics

**Language Used:** PYTHON 3

**Source Code:**

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

**Compilation Details:**

**TestCase1:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

062

**Compilation Status:** Passed

**Execution Time:**

0.009s

**TestCase2:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

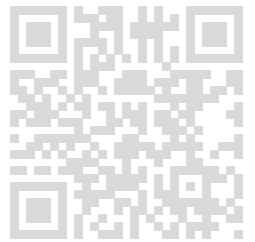
**Output:**

087618

**Compilation Status:** Passed

**Execution Time:**

0.01s



**93. Given a number N, print its factors.** Input Size :  $n \leq 1000$  Sample Testcase : INPUT6 OUTPUT1 2 3 6

**Completion Status:** Completed

**Concepts Included:**

mathematics

**Language Used:** PYTHON 3

**Source Code:**

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

**Compilation Details:****TestCase1:****Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

1 2 5 10

**Compilation Status:** Passed

**Execution Time:**

0.011s

**TestCase2:****Input:**

< hidden >

### Expected Output:

< hidden >

### Output:

1 2 3 4 6 12

**Compilation Status:** Passed

### Execution Time:

0.01s

94. Write a program to calculate the total surface area and volume of cuboid. Input contains three space separated positive integers L, B, H denoting the length, width and height of cuboid respectively. Sample Testcase : INPUT 1 2 3 OUTPUT 22 6

**Completion Status:** Completed

### Concepts Included:

mathematics

**Language Used:** PYTHON 3

### Source Code:

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

### Compilation Details:

### TestCase1:

#### Input:

< hidden >

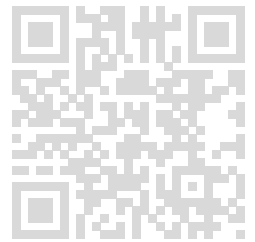
#### Expected Output:

< hidden >

#### Output:

10 2

**Compilation Status:** Passed



**Execution Time:**

0.01s

**TestCase2:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

52 24

**Compilation Status:** Passed

**Execution Time:**

0.009s

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

**Completion Status:** Completed

**Concepts Included:**

mathematics

**Language Used:** PYTHON 3

**Source Code:**

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

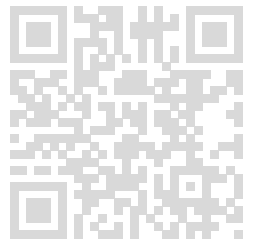
**Compilation Details:**

**TestCase1:**

**Input:**

< hidden >

**Expected Output:**



< hidden >

**Output:**

2

**Compilation Status:** Passed

**Execution Time:**

0.01s

**TestCase2:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

22

**Compilation Status:** Passed

**Execution Time:**

0.01s

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

**Completion Status:** Completed

**Concepts Included:**

mathematics

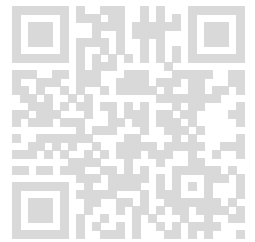
companies

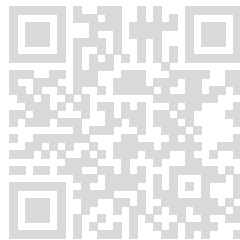
**Language Used:** PYTHON 3

**Source Code:**

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

**Compilation Details:**





### TestCase1:

#### Input:

< hidden >

#### Expected Output:

< hidden >

#### Output:

5

**Compilation Status:** Passed

**Execution Time:**

0.01s

### TestCase2:

#### Input:

< hidden >

#### Expected Output:

< hidden >

#### Output:

10

**Compilation Status:** Passed

**Execution Time:**

0.01s

Susmitha (kallurisusmitha93@gmail.com)

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

**Completion Status:** Completed

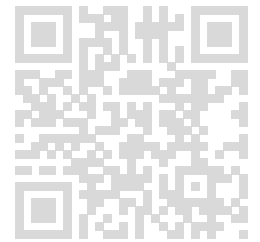
#### Concepts Included:

mathematics

**Language Used:** PYTHON 3

**Source Code:**

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



### Compilation Details:

#### TestCase1:

##### Input:

< hidden >

##### Expected Output:

< hidden >

##### Output:

yes

**Compilation Status:** Passed

##### Execution Time:

0.014s

#### TestCase2:

##### Input:

< hidden >

##### Expected Output:

< hidden >

##### Output:

no

**Compilation Status:** Passed

##### Execution Time:

0.01s

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

**Completion Status:** Completed

## Concepts Included:

array

ABCO

Accolite

Amazon

Cisco

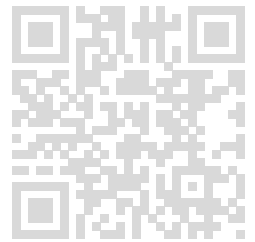
Hike

Microsoft

Snapdeal

VMWare

guvi-learning-path



**Language Used:** PYTHON 3

## Source Code:

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

## Compilation Details:

### TestCase1:

#### Input:

< hidden >

#### Expected Output:

< hidden >

#### Output:

5

**Compilation Status:** Passed

#### Execution Time:

0.01s

### TestCase2:



**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

-1

**Compilation Status:** Passed

**Execution Time:**

0.01s

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

**Sample Input:**

6  
1 2 3 4 5 6

**Sample Output:**

6 5 4 3 2 1

**Completion Status:** Completed

**Concepts Included:**

queue

Accolite

Adobe

Amazon

Cisco

Cognizant

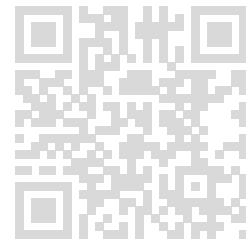
D-E-Shaw

Goldman-Sachs

IgniteWorld

Intuit

Mahindra-Comviva



Susmitha (kallurisusmitha93@gmail.com)

MakeMyTrip

Microsoft

Paytm

Qualcomm

Samsung

SAP-Labs

Snapdeal

Tejas-Network

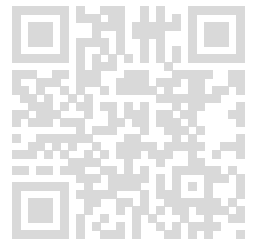
Teradata

VMWare

Walmart

Zoho

guvi-learning-path



**Language Used:** PYTHON 3

**Source Code:**

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

**Compilation Details:**

**TestCase1:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

6 5 4 3 2 1

**Compilation Status:** Passed

**Execution Time:**

0.01s

## TestCase2:

### Input:

< hidden >

### Expected Output:

< hidden >

### Output:

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

**Compilation Status:** Passed

**Execution Time:**

0.009s

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

### Sample Input:

44 66

### Sample Output:

0

**Completion Status:** Not Completed

### Concepts Included:

basics

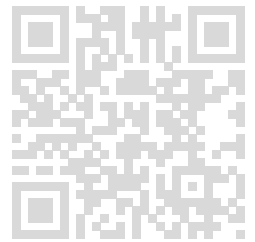
Looping

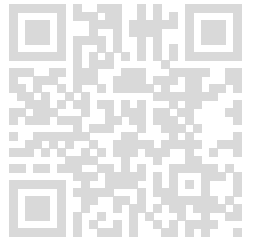
**Language Used:** PYTHON 3

### Source Code:

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

### Compilation Details:





### TestCase1:

#### Input:

< hidden >

#### Expected Output:

< hidden >

#### Output:

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

Runtime Error (NZEC)

**Compilation Status:** Failed

**Execution Time:**

0.009s

### TestCase2:

#### Input:

< hidden >

#### Expected Output:

< hidden >

#### Output:

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

Runtime Error (NZEC)

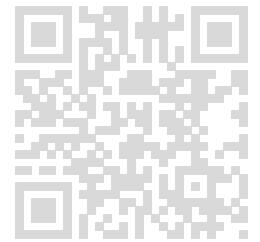
**Compilation Status:** Failed

**Execution Time:**

0.01s

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

**Completion Status:** Completed



**Concepts Included:**

strings

array

**Language Used:** PYTHON 3

**Source Code:**

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

**Compilation Details:**

**TestCase1:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

hello world

**Compilation Status:** Passed

**Execution Time:**

0.009s

**TestCase2:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

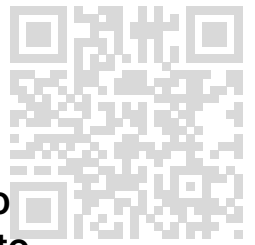
guvi geeks

**Compilation Status:** Passed

**Execution Time:**

Susmitha (kallurisusmitha93@gmail.com)

0.01s



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

**Completion Status:** Completed

**Concepts Included:**

array

strings

**Language Used:** PYTHON 3

**Source Code:**

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

Susmitha (kallurisusmitha93@gmail.com)

**Compilation Details:**

**TestCase1:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

\*

**Compilation Status:** Passed

**Execution Time:**

0.011s

## TestCase2:

### Input:

< hidden >

### Expected Output:

< hidden >

### Output:

sa\*\*ad

**Compilation Status:** Passed

**Execution Time:**

0.009s

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

### Constraints:

$1 \leq N \leq 10$

$0 \leq A_i \leq 100$

### Sample Input:

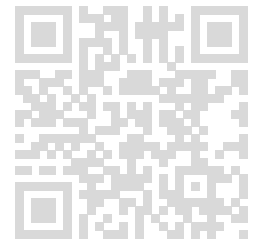
3  
82 96 72

### Sample Output:

96

**Completion Status:** Completed

### Concepts Included:



searching

array

**Language Used:** PYTHON 3

**Source Code:**

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

**Compilation Details:**

**TestCase1:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

10

**Compilation Status:** Passed

**Execution Time:**

0.009s

**TestCase2:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

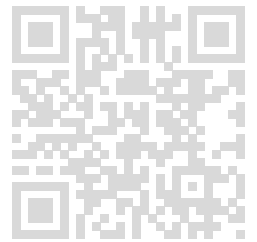
**Output:**

888

**Compilation Status:** Passed

**Execution Time:**

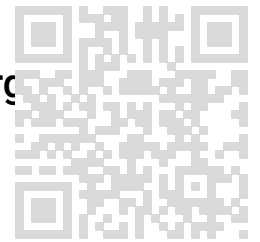
0.01s



Susmitha (kallurisusmitha93@gmail.com)



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



**Sample Input:**

```
5
1 9 16 25 46
2 3 4 5 6
```

**Sample Output:**

```
11
```

**Completion Status:** Completed

**Concepts Included:**

array

**Language Used:** PYTHON 3

**Source Code:**

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

Susmitha (kallurisusmitha93@gmail.com)

**Compilation Details:**

**TestCase1:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

```
11
```

**Compilation Status:** Passed

**Execution Time:**

0.01s

**TestCase2:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

2

**Compilation Status:** Passed

**Execution Time:**

0.01s

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

**Sample Input:**

i am jsb

**Sample Output:**

jsb am i

**Completion Status:** Completed

**Concepts Included:**

stack

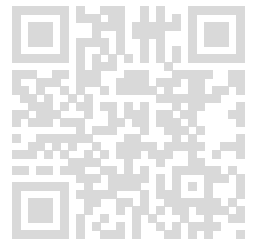
recursion

Accolite

Adobe

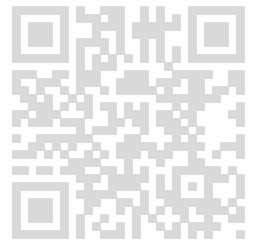
Amazon

Cisco



Susmitha (kallurisusmitha@gmail.com)

Goldman  
Sachs  
MakeMyTrip  
MAQ-Software  
Microsoft  
Morgan  
Stanley  
Ola-Cabs  
Paytm  
Samsung  
SAP-Labs  
Walmart  
Wipro  
Zoho  
guvi-learning-path



**Language Used:** PYTHON 3

**Source Code:**

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

**Compilation Details:**

**TestCase1:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

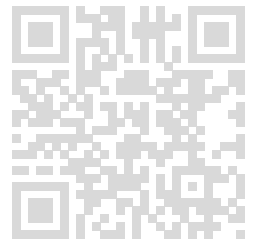
jsb am i

Susmitha (kallurususmitha93@gmail.com)

**Compilation Status:** Passed

**Execution Time:**

0.01s



**TestCase2:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

kohli virat love we

**Compilation Status:** Passed

**Execution Time:**

0.009s

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

**Completion Status:** Completed

**Concepts Included:**

array

Amazon

Directi

Goldman-Sachs

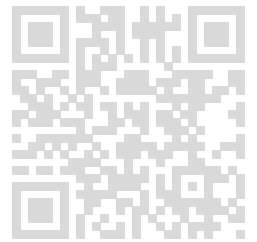
guvi-learning-path

**Language Used:** PYTHON 3

**Source Code:**

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

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



### Compilation Details:

#### TestCase1:

##### Input:

< hidden >

##### Expected Output:

< hidden >

##### Output:

2 6 10 12

**Compilation Status:** Passed

##### Execution Time:

0.01s

#### TestCase2:

##### Input:

< hidden >

##### Expected Output:

< hidden >

##### Output:

1 2 1 4 1

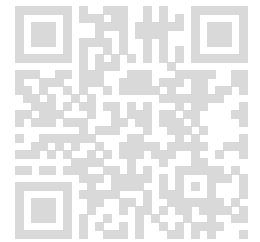
**Compilation Status:** Passed

##### Execution Time:

0.01s

107. Given 2 numbers N,K and an array of N integers, find if the element K exists in the array. Input Size :  $N \leq 100000$  Sample Testcase : INPUT 5 21 2 3 4 5 OUTPUT yes HINT: Read about Binary

## Search



**Completion Status:** Completed

### Concepts Included:

hash

dictionary

strings

sorting

companies

Accenture

Cognizant

Infosys

Linkedin

Oracle

Qualcomm

TCS

Wipro

guvi-learning-path

**Language Used:** PYTHON 3

### Source Code:

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

### Compilation Details:

#### TestCase1:

##### Input:

< hidden >

##### Expected Output:

< hidden >

**Output:**

yes

**Compilation Status:** Passed

**Execution Time:**

0.01s

**TestCase2:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

no

**Compilation Status:** Passed

**Execution Time:**

0.009s

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

**Sample Input:**

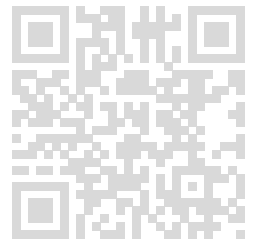
5  
1 3 5 2

**Sample Output:**

4

**Completion Status:** Completed

**Concepts Included:**



array

Accolite

Adobe

Amazon

Cisco

D-E-Shaw

Intuit

Microsoft

Morgan

Stanley

Ola

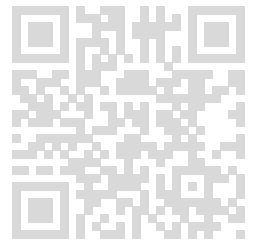
Cabs

Payu

Qualcomm

Visa

guvi-learning-path



**Language Used:** PYTHON 3

**Source Code:**

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

**Compilation Details:**

**TestCase1:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**



2

**Compilation Status:** Passed

**Execution Time:**

0.009s

**TestCase2:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

1

**Compilation Status:** Passed

**Execution Time:**

0.009s

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

**Sample Input:**

2  
bag axe

**Sample Output:**

axe bag

**Completion Status:** Completed

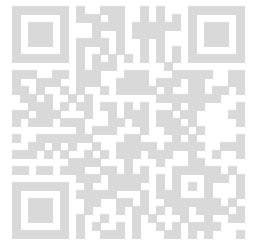
**Concepts Included:**

heaps

sorting

24\*7-Innovation-Labs

Amazon



Belzabar

Intuit

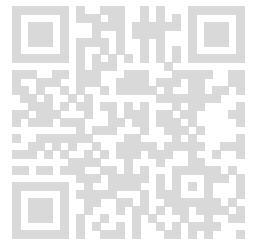
Oracle

Samsung

SAP-Labs

Visa

guvi-learning-path



**Language Used:** PYTHON 3

**Source Code:**

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

**Compilation Details:**

**TestCase1:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

hkefcg i w

**Compilation Status:** Passed

**Execution Time:**

0.01s

**TestCase2:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

Susmitha (kallurisusmitha93@gmail.com)

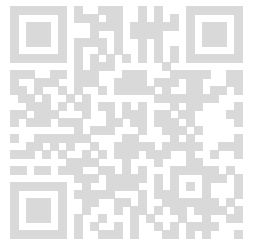
**Output:**

iex

**Compilation Status:** Passed

**Execution Time:**

0.01s



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

**Sample Input:**

abcb

**Sample Output:**

3

**Completion Status:** Completed

**Concepts Included:**

strings

Amazon

Microsoft

Morgan-Stanley

guvi-learning-path

**Language Used:** PYTHON 3

**Source Code:**

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

**Compilation Details:**

**TestCase1:**

**Input:**

< hidden >

**Expected Output:**

Susmitha (kallurusmitha93@gmail.com)

< hidden >

**Output:**

3

**Compilation Status:** Passed

**Execution Time:**

0.01s

**TestCase2:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

7

**Compilation Status:** Passed

**Execution Time:**

0.01s

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

**Sample Input:**

abcd  
cdab

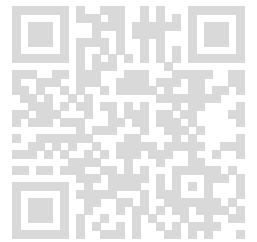
**Sample Output:**

1

**Completion Status:** Completed

**Concepts Included:**

strings



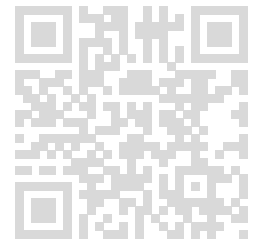
Amazon

Goldman

Sachs

Nagarro

guvi-learning-path



**Language Used:** PYTHON 3

**Source Code:**

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

**Compilation Details:**

**TestCase1:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

1

**Compilation Status:** Passed

**Execution Time:**

0.009s

**TestCase2:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

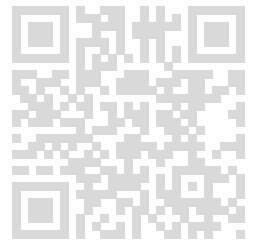
Susmitha (kallurisusmitha93@gmail.com)

0

**Compilation Status:** Passed

**Execution Time:**

0.009s



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

**Completion Status:** Not Completed

**Concepts Included:**

strings

**Language Used:** PYTHON 3

**Source Code:**

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

**Compilation Details:**

**TestCase1:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

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

Runtime Error (NZEC)

**Compilation Status:** Failed

**Execution Time:**

0.01s

**TestCase2:****Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

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

Runtime Error (NZEC)

**Compilation Status:** Failed

**Execution Time:**

0.009s

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

**Sample Input:**

jennyfer

**Sample Output:**

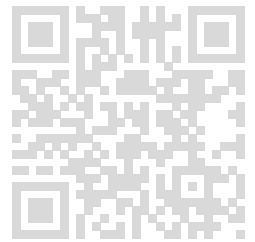
Refynnej

**Completion Status:** Completed

**Concepts Included:**

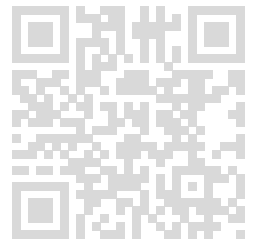
strings

**Language Used:** PYTHON 3



### Source Code:

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



### Compilation Details:

#### TestCase1:

##### Input:

< hidden >

##### Expected Output:

< hidden >

##### Output:

Refynnej

**Compilation Status:** Passed

##### Execution Time:

0.009s

#### TestCase2:

##### Input:

< hidden >

##### Expected Output:

< hidden >

##### Output:

Tsrif

**Compilation Status:** Passed

##### Execution Time:

0.01s

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

**Completion Status:** Completed



## Concepts Included:

strings

**Language Used:** PYTHON 3

## Source Code:

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

## Compilation Details:

### TestCase1:

#### Input:

< hidden >

#### Expected Output:

< hidden >

#### Output:

10

**Compilation Status:** Passed

#### Execution Time:

0.01s

### TestCase2:

#### Input:

< hidden >

#### Expected Output:

< hidden >

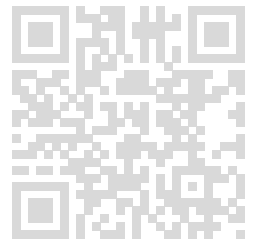
#### Output:

5

**Compilation Status:** Passed

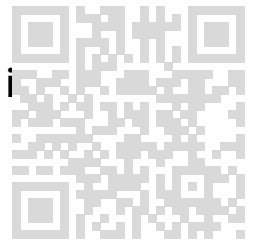
#### Execution Time:

0.009s



Susmitha (kallurisusmitha93@gmail.com)

**115. 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:**

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

**Compilation Details:**

**TestCase1:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

kohli virat

**Compilation Status:** Passed

**Execution Time:**

0.009s

**TestCase2:**

Susmitha (kallurisusmitha93@gmail.com)

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

cricket love we

**Compilation Status:** Passed

**Execution Time:**

0.01s

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

**Completion Status:** Completed

**Concepts Included:**

strings

**Language Used:** PYTHON 3

**Source Code:**

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

**Compilation Details:****TestCase1:****Input:**

< hidden >

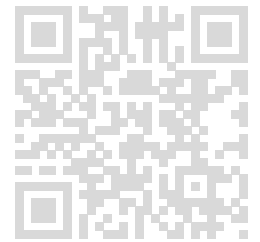
**Expected Output:**

< hidden >

**Output:**

i

**Compilation Status:** Passed



**Execution Time:**

0.009s

**TestCase2:****Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

skeeg

**Compilation Status:** Passed

**Execution Time:**

0.009s

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

**Completion Status:** Completed

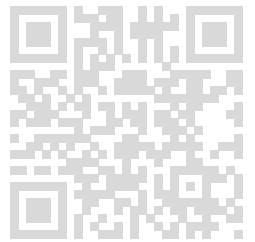
**Concepts Included:**

strings

**Language Used:** PYTHON 3

**Source Code:**

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

**Compilation Details:****TestCase1:****Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

yes

**Compilation Status:** Passed

**Execution Time:**

0.01s

**TestCase2:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

no

**Compilation Status:** Passed

**Execution Time:**

0.01s

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

**Completion Status:** Completed

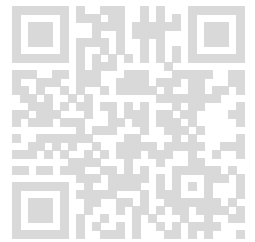
**Concepts Included:**

strings

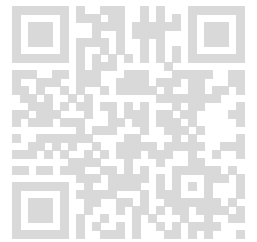
**Language Used:** PYTHON 3

**Source Code:**

a=input()



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



### Compilation Details:

#### TestCase1:

##### Input:

< hidden >

##### Expected Output:

< hidden >

##### Output:

yes

**Compilation Status:** Passed

##### Execution Time:

0.01s

#### TestCase2:

##### Input:

< hidden >

##### Expected Output:

< hidden >

##### Output:

no

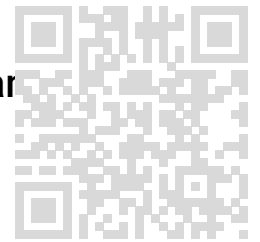
**Compilation Status:** Passed

##### Execution Time:

0.009s

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

their alphabetical order. Help Ria's mother to complete the 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=int(input())  
b=input()  
c=b.split()  
d=sorted(c)  
print(" ".join(d))
```

**Compilation Details:**

**TestCase1:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

guvi online training

**Compilation Status:** Passed

**Execution Time:**

0.014s

### TestCase2:

#### Input:

< hidden >

#### Expected Output:

< hidden >

#### Output:

jc sboa

**Compilation Status:** Passed

#### Execution Time:

0.015s

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

**Completion Status:** Completed

#### Concepts Included:

strings

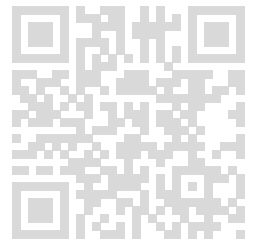
array

**Language Used:** PYTHON 3

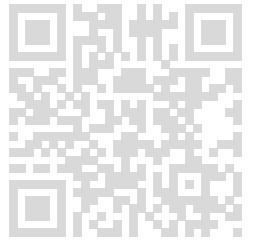
#### Source Code:

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

#### Compilation Details:







### TestCase1:

#### Input:

< hidden >

#### Expected Output:

< hidden >

#### Output:

mhtyhr

**Compilation Status:** Passed

#### Execution Time:

0.009s

### TestCase2:

#### Input:

< hidden >

#### Expected Output:

< hidden >

#### Output:

-1

**Compilation Status:** Passed

#### Execution Time:

0.012s

Susmitha (kallurusmitha93@gmail.com)

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

**Completion Status:** Not Completed

#### Concepts Included:

bitwise

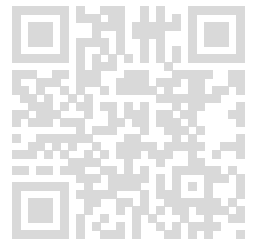
array

strings

**Language Used:** PYTHON 3

### Source Code:

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



### Compilation Details:

#### TestCase1:

##### Input:

< hidden >

##### Expected Output:

< hidden >

##### Output:

0x10c944

**Compilation Status:** Failed

##### Execution Time:

0.009s

#### TestCase2:

##### Input:

< hidden >

##### Expected Output:

< hidden >

##### Output:

0x2774

**Compilation Status:** Failed

##### Execution Time:

0.01s

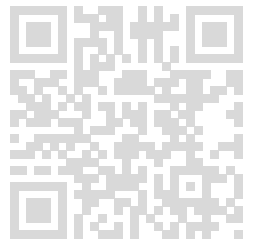
**122. Given 2 strings S,X. Print the string after deleting X.If X not found print the same string.Input Size :  $1 \leq |s|, |x| \leq 1000$ Sample Testcase :INPUTHappy BirthdayHappyOUTPUTBirthday**

**Completion Status:** Completed

## Concepts Included:

strings

**Language Used:** PYTHON 3



## Source Code:

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

## Compilation Details:

### TestCase1:

#### Input:

< hidden >

#### Expected Output:

< hidden >

#### Output:

Birthday

**Compilation Status:** Passed

#### Execution Time:

0.01s

### TestCase2:

#### Input:

< hidden >

#### Expected Output:

< hidden >

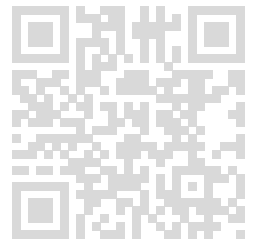
#### Output:

Hello World

**Compilation Status:** Passed

**Execution Time:**

0.01s



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

**Completion Status:** Completed

**Concepts Included:**

strings

**Language Used:** PYTHON 3

**Source Code:**

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

**Compilation Details:**

**TestCase1:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

e-d-o-c

**Compilation Status:** Passed

**Execution Time:**

0.01s

**TestCase2:**

**Input:**

< hidden >

Susmitha (kallurisusmitha93@gmail.com)

### Expected Output:

< hidden >

### Output:

n-r-a-e-l

**Compilation Status:** Passed

### Execution Time:

0.009s

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

**Completion Status:** Not Completed

### Concepts Included:

strings

array

**Language Used:** PYTHON 3

### Source Code:

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

### Compilation Details:

#### TestCase1:

#### Input:

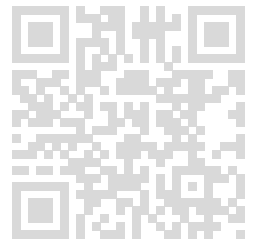
< hidden >

#### Expected Output:

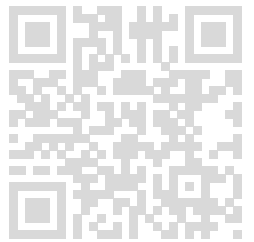
< hidden >

#### Output:

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



Susmitha (kallurisusmitha93@gmail.com)



Runtime Error (NZEC)

**Compilation Status:** Failed

**Execution Time:**

0.009s

**TestCase2:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

File "script-3.8.1.py", line 3

if k%2!=0:

^

SyntaxError: invalid syntax

Runtime Error (NZEC)

**Compilation Status:** Failed

**Execution Time:**

0.009s

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

**Completion Status:** Completed

**Concepts Included:**

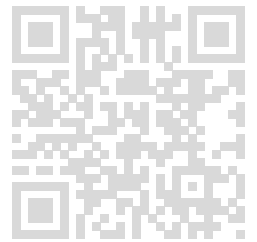
strings

array

**Language Used:** PYTHON 3

### Source Code:

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



### Compilation Details:

#### TestCase1:

##### Input:

< hidden >

##### Expected Output:

< hidden >

##### Output:

no

**Compilation Status:** Passed

##### Execution Time:

0.011s

#### TestCase2:

##### Input:

< hidden >

##### Expected Output:

< hidden >

##### Output:

yes

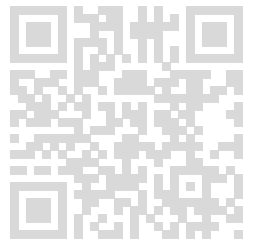
**Compilation Status:** Passed

##### Execution Time:

0.01s

**126. A number is given as input. Find the maximum number that can be formed using the digits. Input Size :  $N \leq 10000000$  Sample Testcase : INPUT4123 OUTPUT4321**

**Completion Status:** Not Completed



**Concepts Included:**

mathematics

array

strings

**Language Used:** PYTHON 3

**Source Code:**

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

**Compilation Details:**

**TestCase1:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

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

Runtime Error (NZEC)

**Compilation Status:** Failed

**Execution Time:**

0.009s

**TestCase2:**

**Input:**

< hidden >

**Expected Output:**



< hidden >

### Output:

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

Runtime Error (NZEC)

**Compilation Status:** Failed

**Execution Time:**

0.009s

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

**Completion Status:** Completed

**Concepts Included:**

strings

**Language Used:** PYTHON 3

**Source Code:**

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

**Compilation Details:**

**TestCase1:**

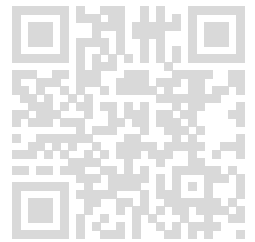
**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**



no

**Compilation Status:** Passed

**Execution Time:**

0.01s

**TestCase2:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

no

**Compilation Status:** Passed

**Execution Time:**

0.01s

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

**Completion Status:** Completed

**Concepts Included:**

strings

**Language Used:** PYTHON 3

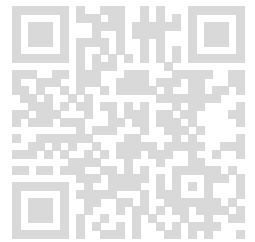
**Source Code:**

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

**Compilation Details:**

**TestCase1:**

**Input:**



< hidden >

**Expected Output:**

< hidden >

**Output:**

AabXxy

**Compilation Status:** Passed

**Execution Time:**

0.009s

**TestCase2:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

AbCd

**Compilation Status:** Passed

**Execution Time:**

0.009s

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

**Completion Status:** Completed

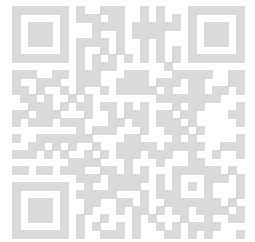
**Concepts Included:**

strings

**Language Used:** PYTHON 3

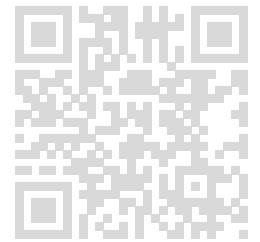
**Source Code:**

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



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

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



### Compilation Details:

#### TestCase1:

##### Input:

< hidden >

##### Expected Output:

< hidden >

##### Output:

valid

**Compilation Status:** Passed

##### Execution Time:

0.009s

#### TestCase2:

##### Input:

< hidden >

##### Expected Output:

< hidden >

##### Output:

-1

**Compilation Status:** Passed

##### Execution Time:

0.009s

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

**Completion Status:** Completed

**Concepts Included:**

strings

**Language Used:** PYTHON 3

**Source Code:**

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

**Compilation Details:**

**TestCase1:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

gv

**Compilation Status:** Passed

**Execution Time:**

0.013s

**TestCase2:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

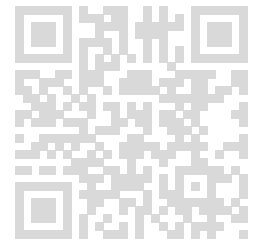
**Output:**

vr

**Compilation Status:** Passed

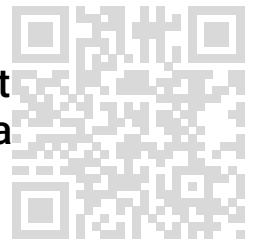
**Execution Time:**

0.014s



Susmitha (kallurisusmitha93@gmail.com)

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



**Completion Status:** Completed

**Concepts Included:**

strings

**Language Used:** PYTHON 3

**Source Code:**

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

**Compilation Details:**

**TestCase1:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

hello world

**Compilation Status:** Passed

**Execution Time:**

0.009s

**TestCase2:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

Susmitha (kallurisusmitha93@gmail.com)

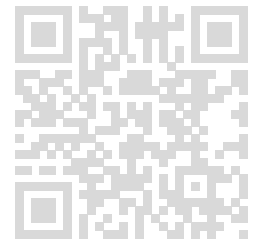
**Output:**

Level programming

**Compilation Status:** Passed

**Execution Time:**

0.01s



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

**Sample Input:**

1996

**Sample Output:**

leap year

**Completion Status:** Completed

**Concepts Included:**

zen

**Language Used:** PYTHON 3

**Source Code:**

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

**Compilation Details:**

**TestCase1:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

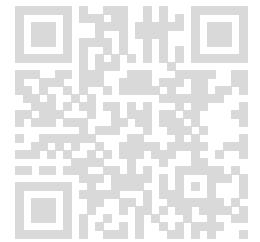
leap year

Susmitha (kallurisusmitha93@gmail.com)

**Compilation Status:** Passed

**Execution Time:**

0.011s



**TestCase2:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

not a leap year

**Compilation Status:** Passed

**Execution Time:**

0.01s

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

**Sample Input:**

3  
5 7 4

**Sample Output:**

5 7 4

**Completion Status:** Completed

**Concepts Included:**

zen

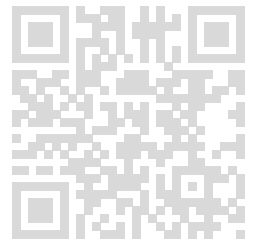
**Language Used:** PYTHON 3

**Source Code:**

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



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



### Compilation Details:

#### TestCase1:

##### Input:

< hidden >

##### Expected Output:

< hidden >

##### Output:

5 7 4

**Compilation Status:** Passed

##### Execution Time:

0.01s

#### TestCase2:

##### Input:

< hidden >

##### Expected Output:

< hidden >

##### Output:

-1

**Compilation Status:** Passed

##### Execution Time:

0.009s

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

**Sample Input:**

5 8

**Sample Output:**

6 7

**Completion Status:** Completed

**Concepts Included:**

zen

**Language Used:** PYTHON 3

**Source Code:**

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

**Compilation Details:****TestCase1:****Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

6 7

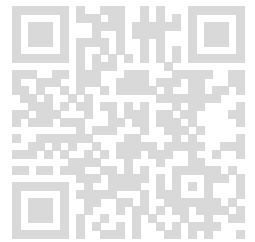
**Compilation Status:** Passed

**Execution Time:**

0.009s

**TestCase2:****Input:**

< hidden >



### Expected Output:

< hidden >

### Output:

3 4 5 6 7

**Compilation Status:** Passed

**Execution Time:**

0.01s

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

### Sample Input:

3  
5 7 4

### Sample Output:

even

**Completion Status:** Completed

### Concepts Included:

zen

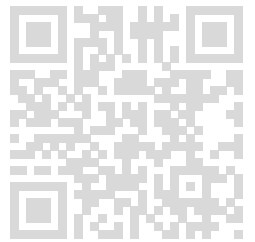
**Language Used:** PYTHON 3

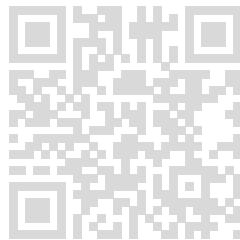
### Source Code:

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

### Compilation Details:

### TestCase1:



**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

even

**Compilation Status:** Passed

**Execution Time:**

0.01s

**TestCase2:****Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

odd

**Compilation Status:** Passed

**Execution Time:**

0.01s

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

**Sample Input:**

3589

**Sample Output:**

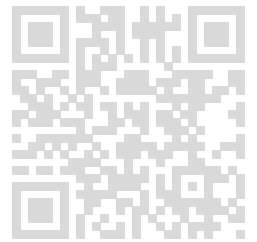
25

**Completion Status:** Completed

**Concepts Included:**

zen

**Language Used:** PYTHON 3



**Source Code:**

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

**Compilation Details:**

**TestCase1:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

25

**Compilation Status:** Passed

**Execution Time:**

0.01s

**TestCase2:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

2

**Compilation Status:** Passed

**Execution Time:**

0.01s

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

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

**Sample Input:**

3  
5 7 4

**Sample Output:**

-1

**Completion Status:** Completed

**Concepts Included:**

zen

**Language Used:** PYTHON 3

**Source Code:**

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

**Compilation Details:**

**TestCase1:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

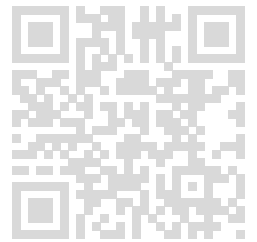
**Output:**

-1

**Compilation Status:** Passed

**Execution Time:**

0.009s



Susmitha (kallurisusmitha93@gmail.com)

## TestCase2:

### Input:

< hidden >

### Expected Output:

< hidden >

### Output:

23

**Compilation Status:** Passed

**Execution Time:**

0.009s

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

### Sample Input:

3  
5 7 4

### Sample Output:

16

**Completion Status:** Completed

### Concepts Included:

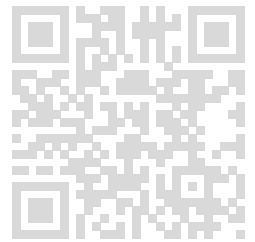
zen

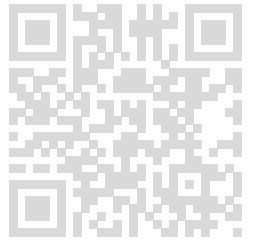
**Language Used:** PYTHON 3

### Source Code:

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

### Compilation Details:



**TestCase1:****Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

16

**Compilation Status:** Passed

**Execution Time:**

0.009s

**TestCase2:****Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

23

**Compilation Status:** Passed

**Execution Time:**

0.011s

Susmitha (kallurisusmitha93@gmail.com)

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

**Sample Input:**

6  
5 7 4 4 6 8

**Sample Output:**

4 4 5 6 7 8



**Completion Status:** Completed

**Concepts Included:**

zen

**Language Used:** PYTHON 3

**Source Code:**

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

**Compilation Details:**

**TestCase1:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

4 4 5 6 7 8

**Compilation Status:** Passed

**Execution Time:**

0.009s

**TestCase2:**

**Input:**

< hidden >

**Expected Output:**

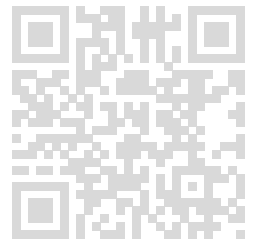
< hidden >

**Output:**

0 5 11 37 45

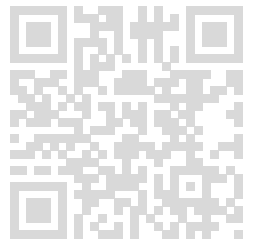
**Compilation Status:** Passed

**Execution Time:**



Susmitha (kallurisusmitha93@gmail.com)

0.009s



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

**Sample Input:**

3589

**Sample Output:**

4

**Completion Status:** Completed

**Concepts Included:**

zen

**Language Used:** PYTHON 3

**Source Code:**

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

**Compilation Details:**

**TestCase1:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

4

**Compilation Status:** Passed

**Execution Time:**

0.01s

Susmitha (kallurisusmitha93@gmail.com)

## TestCase2:

### Input:

< hidden >

### Expected Output:

< hidden >

### Output:

1

**Compilation Status:** Passed

**Execution Time:**

0.009s

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

### Sample Input:

6  
5 7 4 4 6 8

### Sample Output:

22

**Completion Status:** Completed

### Concepts Included:

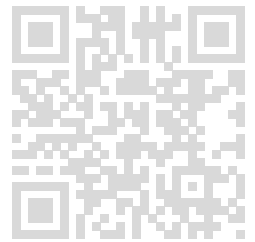
zen

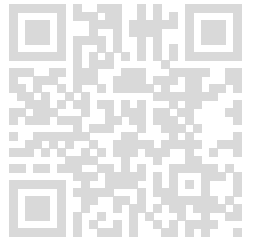
**Language Used:** PYTHON 3

### Source Code:

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

### Compilation Details:





### TestCase1:

#### Input:

< hidden >

#### Expected Output:

< hidden >

#### Output:

22

**Compilation Status:** Passed

**Execution Time:**

0.009s

### TestCase2:

#### Input:

< hidden >

#### Expected Output:

< hidden >

#### Output:

6

**Compilation Status:** Passed

**Execution Time:**

0.01s

Susmitha (kallurisusmitha93@gmail.com)

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

#### Sample Input:

Guvi Geek

#### Sample Output:

2 6

**Completion Status:** Completed

## Concepts Included:

zen

**Language Used:** PYTHON 3

## Source Code:

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

## Compilation Details:

### TestCase1:

#### Input:

< hidden >

#### Expected Output:

< hidden >

#### Output:

2 6

**Compilation Status:** Passed

#### Execution Time:

0.01s

### TestCase2:

#### Input:

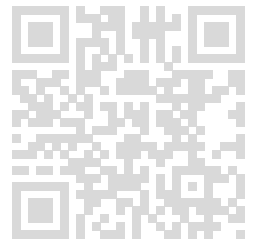
< hidden >

#### Expected Output:

< hidden >

#### Output:

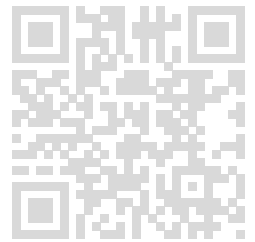
4 0



**Compilation Status:** Passed

**Execution Time:**

0.01s



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

**Sample Input:**

6  
5 7 4 4 6 8

**Sample Output:**

12

**Completion Status:** Completed

**Concepts Included:**

zen

**Language Used:** PYTHON 3

**Source Code:**

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

**Compilation Details:**

**TestCase1:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

12

**Compilation Status:** Passed

**Execution Time:**

0.009s

**TestCase2:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

17

**Compilation Status:** Passed

**Execution Time:**

0.009s

**144. Given a string reverse the string**

**Sample Input:**

guvi geek

**Sample Output:**

geek guvi

**Completion Status:** Completed

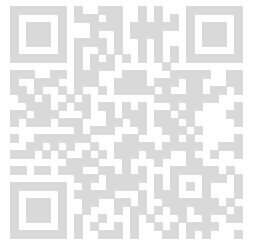
**Concepts Included:**

zen

**Language Used:** PYTHON 3

**Source Code:**

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



Susmitha (kallurisusmitha93@gmail.com)

## Compilation Details:

### TestCase1:

#### Input:

< hidden >

#### Expected Output:

< hidden >

#### Output:

geek guvi

**Compilation Status:** Passed

#### Execution Time:

0.009s

### TestCase2:

#### Input:

< hidden >

#### Expected Output:

< hidden >

#### Output:

hello

**Compilation Status:** Passed

#### Execution Time:

0.009s

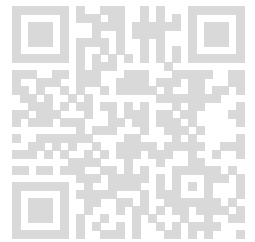
**145. Given a number m and k separated by a space print n numbers which multiple of m**

#### Sample Input:

5 4

#### Sample Output:

4 8 12 16 20



Susmitha (kallurusmitha93@gmail.com)



**Completion Status:** Completed

**Concepts Included:**

zen

**Language Used:** PYTHON 3

**Source Code:**

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

**Compilation Details:**

**TestCase1:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

4 8 12 16 20

**Compilation Status:** Passed

**Execution Time:**

0.009s

**TestCase2:**

**Input:**

< hidden >

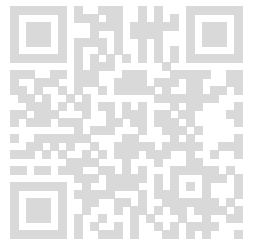
**Expected Output:**

< hidden >

**Output:**

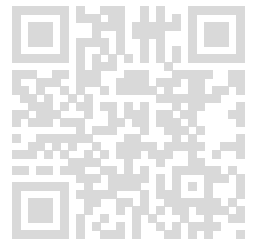
8 16

**Compilation Status:** Passed



**Execution Time:**

0.009s

**146. Given a string print the vowels in the string****Sample Input:**

guvi geek

**Sample Output:**

ui ee

**Completion Status:** Completed**Concepts Included:**

zen

**Language Used:** PYTHON 3**Source Code:**

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

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

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

**Compilation Details:****TestCase1:****Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

ui ee

**Compilation Status:** Passed

**Execution Time:**

0.01s

**TestCase2:****Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

eo

**Compilation Status:** Passed

**Execution Time:**

0.01s

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

**Sample Input:**

Guvi Geek

**Sample Output:**

Ge

**Completion Status:** Completed

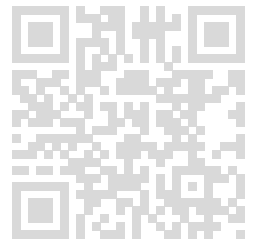
**Concepts Included:**

zen

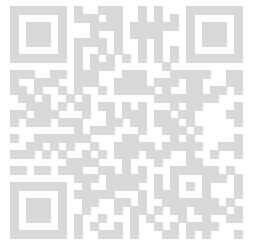
**Language Used:** PYTHON 3

**Source Code:**

```
a=input()
```



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



### Compilation Details:

#### TestCase1:

##### Input:

< hidden >

##### Expected Output:

< hidden >

##### Output:

Ge

**Compilation Status:** Passed

##### Execution Time:

0.01s

#### TestCase2:

##### Input:

< hidden >

##### Expected Output:

< hidden >

##### Output:

L

**Compilation Status:** Passed

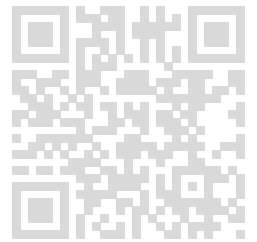
##### Execution Time:

0.009s

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

##### Sample Input:

Xyz-aBc-nMk



### Sample Output:

XyzaBcnMk

**Completion Status:** Not Completed

### Concepts Included:

zen

**Language Used:** PYTHON 3

### Source Code:

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

### Compilation Details:

#### TestCase1:

##### Input:

< hidden >

##### Expected Output:

< hidden >

##### Output:

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

Runtime Error (NZEC)

**Compilation Status:** Failed

##### Execution Time:

0.009s

## TestCase2:

### Input:

< hidden >

### Expected Output:

< hidden >

### Output:

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

Runtime Error (NZEC)

**Compilation Status:** Failed

**Execution Time:**

0.009s

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

### Sample Input:

```
3
5 7 4
```

### Sample Output:

odd odd even

**Completion Status:** Completed

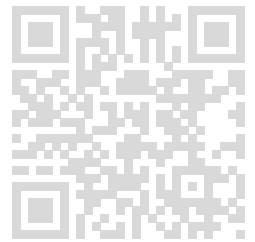
### Concepts Included:

zen

**Language Used:** PYTHON 3

### Source Code:

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



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

### Compilation Details:

#### TestCase1:

##### Input:

< hidden >

##### Expected Output:

< hidden >

##### Output:

odd odd even

**Compilation Status:** Passed

##### Execution Time:

0.012s

#### TestCase2:

##### Input:

< hidden >

##### Expected Output:

< hidden >

##### Output:

even

**Compilation Status:** Passed

##### Execution Time:

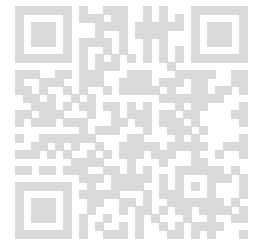
0.01s

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

#### Sample Input:

6  
5 7 4 4 6 8

#### Sample Output:



Susmitha (kallurusmitha93@gmail.com)

8

**Completion Status:** Completed

**Concepts Included:**

zen

**Language Used:** PYTHON 3

**Source Code:**

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

**Compilation Details:**

**TestCase1:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

8

**Compilation Status:** Passed

**Execution Time:**

0.01s

**TestCase2:**

**Input:**

< hidden >

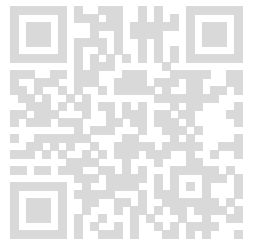
**Expected Output:**

< hidden >

**Output:**

7

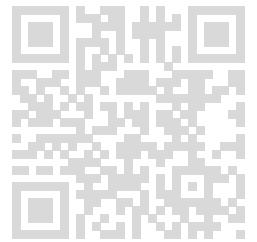
**Compilation Status:** Passed





**Execution Time:**

0.01s



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

**Sample Input:**

guvi geek

**Sample Output:**

8

**Completion Status:** Completed

**Concepts Included:**

zen

**Language Used:** PYTHON 3

**Source Code:**

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

**Compilation Details:**

**TestCase1:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

8

**Compilation Status:** Passed

**Execution Time:**

0.01s

Susmitha (kallurisusmitha93@gmail.com)

## TestCase2:

### Input:

< hidden >

### Expected Output:

< hidden >

### Output:

5

**Compilation Status:** Passed

**Execution Time:**

0.009s

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

### Sample Input:

6  
5 7 4 4 6 8

### Sample Output:

8 7 6 5 4 4

**Completion Status:** Not Completed

### Concepts Included:

zen

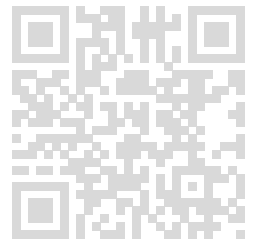
**Language Used:** PYTHON 3

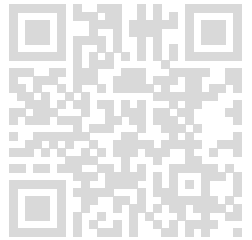
### Source Code:

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

### Compilation Details:

## TestCase1:



**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

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

Runtime Error (NZEC)

**Compilation Status:** Failed

**Execution Time:**

0.01s

**TestCase2:****Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

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

Runtime Error (NZEC)

**Compilation Status:** Failed

**Execution Time:**

0.01s

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

**Completion Status:** Not Completed

**Concepts Included:**

mathematics

**Language Used:** PYTHON 3

**Source Code:**

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

**Compilation Details:**

**TestCase1:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

10.00000

**Compilation Status:** Passed

**Execution Time:**

0.01s

**TestCase2:**

**Input:**

< hidden >

**Expected Output:**

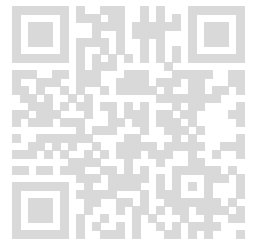
< hidden >

**Output:**

17.20577

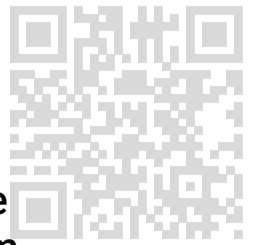
**Compilation Status:** Failed

**Execution Time:**



Susmitha (kallurisusmitha93@gmail.com)

0.01s



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

**Sample Input:**

5  
3 4 9 1 6

**Sample Output:**

1

**Completion Status:** Completed

**Concepts Included:**

array

numbers

mathematics

**Language Used:** PYTHON 3

**Source Code:**

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

**Compilation Details:**

**TestCase1:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

1

**Compilation Status:** Passed

**Execution Time:**

0.01s

**TestCase2:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

0

**Compilation Status:** Passed

**Execution Time:**

0.01s

**155. Given 3 points check whether they lie on the same line.If they lie on the same line print 'yes' Otherwise print 'no'.Sample Testcase :INPUT0 10 00 20OUTPUTyes**

**Completion Status:** Completed

**Concepts Included:**

mathematics

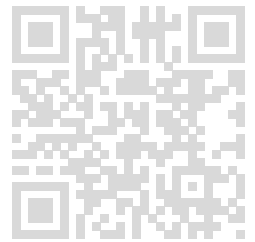
array

algorithm

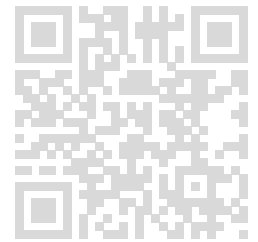
**Language Used:** PYTHON 3

**Source Code:**

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



## Compilation Details:



### TestCase1:

#### Input:

< hidden >

#### Expected Output:

< hidden >

#### Output:

no

**Compilation Status:** Passed

#### Execution Time:

0.01s

### TestCase2:

#### Input:

< hidden >

#### Expected Output:

< hidden >

#### Output:

yes

**Compilation Status:** Passed

#### Execution Time:

0.011s

**156. Given a number N and a number K, find the greatest number which divides both.** Input Size : N and K  $\leq$  100000 Sample

Testcase :INPUT5 10OUTPUT5

**Completion Status:** Completed

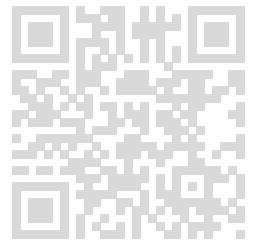
### Concepts Included:

mathematics

**Language Used:** PYTHON 3

### Source Code:

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



### Compilation Details:

#### TestCase1:

##### Input:

< hidden >

##### Expected Output:

< hidden >

##### Output:

5

**Compilation Status:** Passed

##### Execution Time:

0.01s

#### TestCase2:

##### Input:

< hidden >

##### Expected Output:

< hidden >

##### Output:

2

**Compilation Status:** Passed

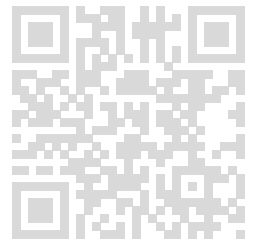
##### Execution Time:

0.01s

**157. Given a number N, print the sum of squares of all its digits.**  
**Input Size :  $1 \leq N \leq 100000$**   
**Sample Testcase :INPUT12OUTPUT5**



**Completion Status:** Completed



**Concepts Included:**

array

mathematics

**Language Used:** PYTHON 3

**Source Code:**

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

**Compilation Details:**

**TestCase1:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

4

**Compilation Status:** Passed

**Execution Time:**

0.01s

**TestCase2:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

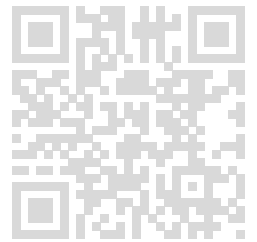
**Output:**

144

**Compilation Status:** Passed

**Execution Time:**

0.01s



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

**Completion Status:** Completed

**Concepts Included:**

mathematics

strings

**Language Used:** PYTHON 3

**Source Code:**

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

**Compilation Details:**

**TestCase1:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

yes

**Compilation Status:** Passed

**Execution Time:**

0.01s

**TestCase2:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

no

**Compilation Status:** Passed

**Execution Time:**

0.01s

**159. Given 2 numbers N and K. check if N is a power of K. Print 'yes' if it is a power of k otherwise print 'no'. Sample Testcase : INPUT 64 8 OUTPUT yes**

**Completion Status:** Completed

**Concepts Included:**

mathematics

**Language Used:** PYTHON 3

**Source Code:**

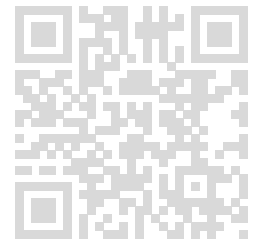
```
n,k=map(int,input().split())
if k**2==n:
print("yes")
else:
print("no")
```

**Compilation Details:****TestCase1:****Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

yes

**Compilation Status:** Passed

**Execution Time:**

0.01s

**TestCase2:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

no

**Compilation Status:** Passed

**Execution Time:**

0.01s

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

**Completion Status:** Completed

**Concepts Included:**

mathematics

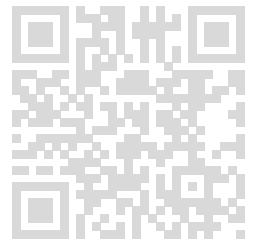
**Language Used:** PYTHON 3

**Source Code:**

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

**Compilation Details:**

**TestCase1:**



**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

0.5

**Compilation Status:** Passed

**Execution Time:**

0.01s

**TestCase2:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

1.0

**Compilation Status:** Passed

**Execution Time:**

0.011s

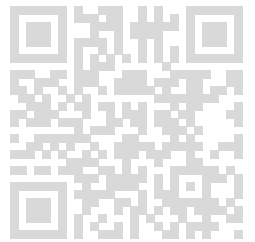
**161. You are given a set of numbers, out of which you have to tell which of them are finest. A finest number 'n' is a number which is formed by a number 't' such that**

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

**t is a natural number**

**Sample Input:**

2  
1729 189



Susmitha (kallurisusmitha93@gmail.com)

**Sample Output:**

189 1729

**Completion Status:** Not Completed

**Concepts Included:**

mathematics

**Language Used:** PYTHON 3

**Source Code:**

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

**Compilation Details:****TestCase1:****Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

None

**Compilation Status:** Failed

**Execution Time:**

0.009s

**TestCase2:****Input:**

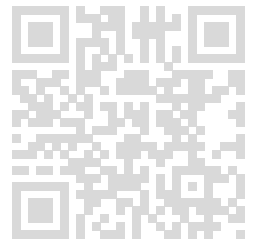
< hidden >

**Expected Output:**

< hidden >

**Output:**

None

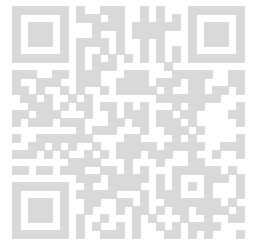


Susmitha (kallurisusmitha93@gmail.com)

**Compilation Status:** Failed

**Execution Time:**

0.01s



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

**Sample Input:**

mississipie

**Sample Output:**

mpe

**Completion Status:** Completed

**Concepts Included:**

strings

**Language Used:** PYTHON 3

**Source Code:**

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

**Compilation Details:**

**TestCase1:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

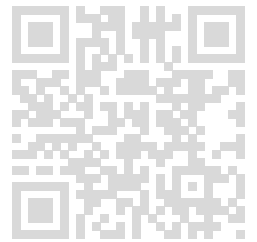
**Output:**

mpe

**Compilation Status:** Passed

**Execution Time:**

0.009s



**TestCase2:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

a

**Compilation Status:** Passed

**Execution Time:**

0.01s

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

**Sample Input:**

Guvi Geek

**Sample Output:**

-1

**Completion Status:** Not Completed

**Concepts Included:**

zen

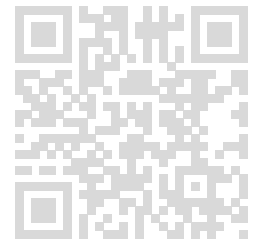
**Language Used:** PYTHON 3

**Source Code:**

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



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



### Compilation Details:

#### TestCase1:

##### Input:

< hidden >

##### Expected Output:

< hidden >

##### Output:

-1

**Compilation Status:** Passed

##### Execution Time:

0.01s

#### TestCase2:

##### Input:

< hidden >

##### Expected Output:

< hidden >

##### Output:

-1

**Compilation Status:** Failed

##### Execution Time:

0.01s

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

##### Sample Input:

16

### Sample Output:

4

**Completion Status:** Completed

### Concepts Included:

zen

**Language Used:** PYTHON 3

### Source Code:

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

### Compilation Details:

#### TestCase1:

##### Input:

< hidden >

##### Expected Output:

< hidden >

##### Output:

4

**Compilation Status:** Passed

##### Execution Time:

0.009s

#### TestCase2:

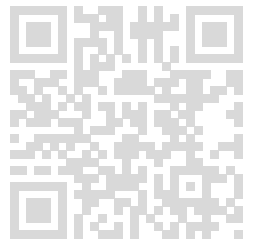
##### Input:

< hidden >

##### Expected Output:

< hidden >

##### Output:



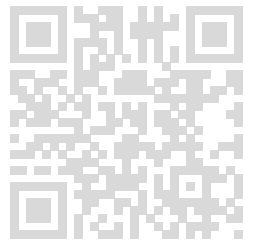
Susmitha (kallurisusmitha93@gmail.com)

10

**Compilation Status:** Passed

**Execution Time:**

0.009s



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

**Sample Input:**

3 5 8 9

**Sample Output:**

no

**Completion Status:** Completed

**Concepts Included:**

zen

**Language Used:** PYTHON 3

**Source Code:**

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

**Compilation Details:**

**TestCase1:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

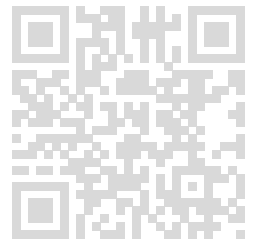
**Output:**

no

**Compilation Status:** Passed

**Execution Time:**

0.014s



**TestCase2:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

yes

**Compilation Status:** Passed

**Execution Time:**

0.01s

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

**Sample Input:**

6  
5 7 4 4 6 8

**Sample Output:**

4

**Completion Status:** Completed

**Concepts Included:**

zen

**Language Used:** PYTHON 3

**Source Code:**

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

## Compilation Details:

### TestCase1:

#### Input:

< hidden >

#### Expected Output:

< hidden >

#### Output:

4

**Compilation Status:** Passed

#### Execution Time:

0.011s

### TestCase2:

#### Input:

< hidden >

#### Expected Output:

< hidden >

#### Output:

2

**Compilation Status:** Passed

#### Execution Time:

0.011s

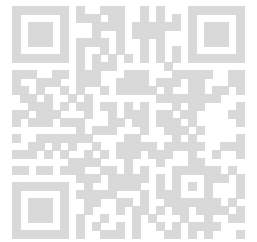
**167. Given a string convert string into upper case where their vowel character**

#### Sample Input:

guvi geek

#### Sample Output:

gUvI gEEk



Susmitha (kallurususmitha93@gmail.com)

**Completion Status:** Completed

**Concepts Included:**

zen

**Language Used:** PYTHON 3

**Source Code:**

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

**Compilation Details:**

**TestCase1:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

gUvI gEEk

**Compilation Status:** Passed

**Execution Time:**

0.01s

**TestCase2:**

**Input:**

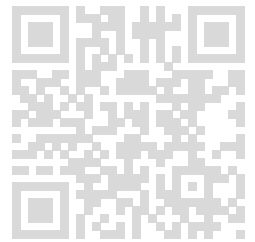
< hidden >

**Expected Output:**

< hidden >

**Output:**

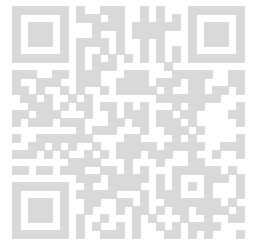
xyz Abc nmk



**Compilation Status:** Passed

**Execution Time:**

0.01s



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

**Sample Input:**

Guvi Geek  
Guvi

**Sample Output:**

Guvi

**Completion Status:** Not Completed

**Concepts Included:**

zen

**Language Used:** PYTHON 3

**Source Code:**

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

**Compilation Details:**

**TestCase1:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

Guvi

**Compilation Status:** Passed

**Execution Time:**

0.01s

**TestCase2:****Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

EL

**Compilation Status:** Failed

**Execution Time:**

0.014s

**169. Given a string reverse the words in the string**

**Sample Input:**

guvi geek

**Sample Output:**

ivug keeg

**Completion Status:** Completed

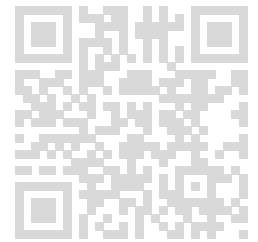
**Concepts Included:**

zen

**Language Used:** PYTHON 3

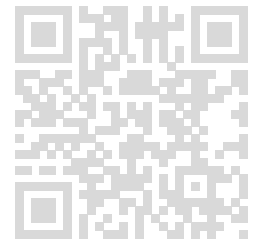
**Source Code:**

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





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



### Compilation Details:

#### TestCase1:

##### Input:

< hidden >

##### Expected Output:

< hidden >

##### Output:

ivug keeg

**Compilation Status:** Passed

##### Execution Time:

0.009s

#### TestCase2:

##### Input:

< hidden >

##### Expected Output:

< hidden >

##### Output:

olleh

**Compilation Status:** Passed

##### Execution Time:

0.009s

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

##### Sample Input:

6

5 7 4 4 6 8

### Sample Output:

4

**Completion Status:** Completed

### Concepts Included:

zen

**Language Used:** PYTHON 3

### Source Code:

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

### Compilation Details:

#### TestCase1:

##### Input:

< hidden >

##### Expected Output:

< hidden >

##### Output:

4

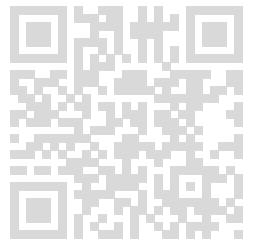
**Compilation Status:** Passed

##### Execution Time:

0.011s

#### TestCase2:

##### Input:



Susmitha (kallurisusmitha93@gmail.com)

< hidden >

**Expected Output:**

< hidden >

**Output:**

3 7

**Compilation Status:** Passed

**Execution Time:**

0.011s

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

**Sample Input:**

6 3

**Sample Output:**

2 0

**Completion Status:** Completed

**Concepts Included:**

zen

**Language Used:** PYTHON 3

**Source Code:**

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

**Compilation Details:**

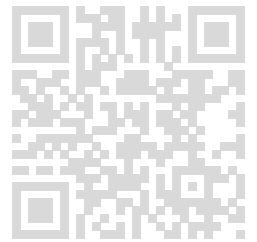
**TestCase1:**

**Input:**

< hidden >

**Expected Output:**

< hidden >



Susmitha (kallurisusmitha93@gmail.com)

**Output:**

2 0

**Compilation Status:** Passed

**Execution Time:**

0.011s

**TestCase2:****Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

7 5

**Compilation Status:** Passed

**Execution Time:**

0.01s

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

**Sample Input:**

3

**Sample Output:**

5

**Completion Status:** Not Completed

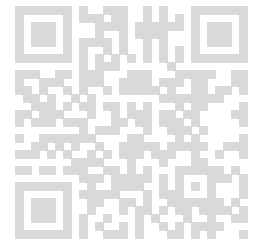
**Concepts Included:**

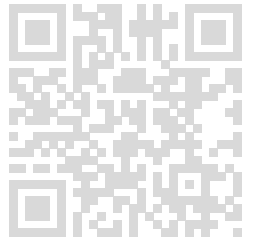
zen

**Language Used:** PYTHON 3

**Source Code:**

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





```
next_prime = n + 1

while True:
    # Assume next_prime is prime
    is_prime = True

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

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

    # Otherwise, check the next number
    next_prime += 1

print(next_prime)
```

### Compilation Details:

#### TestCase1:

##### Input:

< hidden >

##### Expected Output:

< hidden >

##### Output:

Enter a number: 5

**Compilation Status:** Failed

##### Execution Time:

0.011s

#### TestCase2:

##### Input:

< hidden >

##### Expected Output:

< hidden >

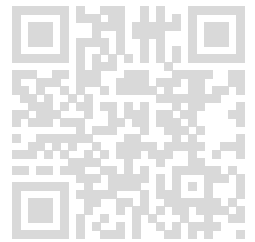
##### Output:

Enter a number: 97

**Compilation Status:** Failed

**Execution Time:**

0.01s



## 173. Given a string convert string into camel case

**Sample Input:**

guvi geek

**Sample Output:**

guviGeek

**Completion Status:** Completed

**Concepts Included:**

zen

**Language Used:** PYTHON 3

**Source Code:**

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

**Compilation Details:**

**TestCase1:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

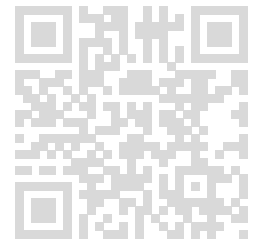
**Output:**

guviGeek

**Compilation Status:** Passed

**Execution Time:**

0.01s



**TestCase2:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

hello

**Compilation Status:** Passed

**Execution Time:**

0.01s

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

**Sample Input:**

6  
5 7 4 4 6 8

**Sample Output:**

5 7 6 8

**Completion Status:** Completed

**Concepts Included:**

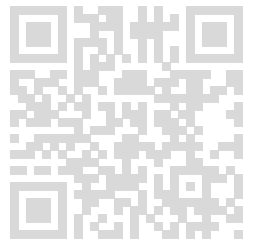
zen

**Language Used:** PYTHON 3

**Source Code:**

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

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



### Compilation Details:

#### TestCase1:

##### Input:

< hidden >

##### Expected Output:

< hidden >

##### Output:

5 7 6 8

**Compilation Status:** Passed

##### Execution Time:

0.01s

#### TestCase2:

##### Input:

< hidden >

##### Expected Output:

< hidden >

##### Output:

2

**Compilation Status:** Passed

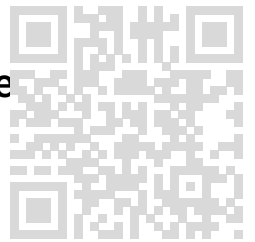
##### Execution Time:

0.01s

Susmitha (kallurisusmitha93@gmail.com)



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



**Sample Input:**

6  
5 7 4 4 6 8

**Sample Output:**

7

**Completion Status:** Completed

**Concepts Included:**

zen

**Language Used:** PYTHON 3

**Source Code:**

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

**Compilation Details:**

**TestCase1:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

7

**Compilation Status:** Passed

**Execution Time:**

0.01s

**TestCase2:**

Susmitha (kallurisusmitha93@gmail.com)

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

3

**Compilation Status:** Passed

**Execution Time:**

0.01s

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

**Sample Input:**

3 3

**Sample Output:**

27

**Completion Status:** Completed

**Concepts Included:**

zen

**Language Used:** PYTHON 3

**Source Code:**

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

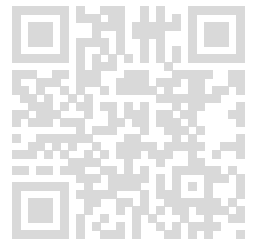
**Compilation Details:**

**TestCase1:**

**Input:**

< hidden >

**Expected Output:**



Susmitha (kallurisusmitha93@gmail.com)

< hidden >

**Output:**

27

**Compilation Status:** Passed

**Execution Time:**

0.009s

**TestCase2:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

32

**Compilation Status:** Passed

**Execution Time:**

0.009s

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

**Sample Input:**

6  
5 7 4 4 6 8

**Sample Output:**

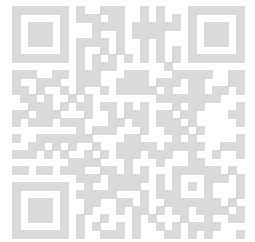
2

**Completion Status:** Not Completed

**Concepts Included:**

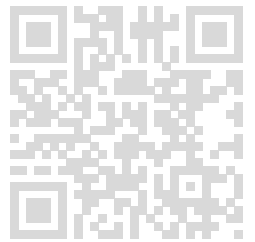
zen

**Language Used:** PYTHON 3



### Source Code:

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



### Compilation Details:

#### TestCase1:

##### Input:

< hidden >

##### Expected Output:

< hidden >

##### Output:

2

**Compilation Status:** Passed

##### Execution Time:

0.01s

#### TestCase2:

##### Input:

< hidden >

##### Expected Output:

< hidden >

##### Output:

1

**Compilation Status:** Failed

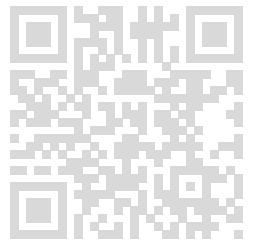
##### Execution Time:

0.009s

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

##### Sample Input:

6  
5 7 4 4 6 8



### Sample Output:

5

**Completion Status:** Completed

### Concepts Included:

zen

**Language Used:** PYTHON 3

### Source Code:

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

### Compilation Details:

#### TestCase1:

##### Input:

< hidden >

##### Expected Output:

< hidden >

##### Output:

5

**Compilation Status:** Passed

##### Execution Time:

0.01s

#### TestCase2:

##### Input:

< hidden >

Susmitha (kallurisusmitha93@gmail.com)

**Expected Output:**

< hidden >

**Output:**

3

**Compilation Status:** Passed

**Execution Time:**

0.01s

**179. Given a string remove the vowels in the string****Sample Input:**

guvi geek

**Sample Output:**

gv gk

**Completion Status:** Not Completed

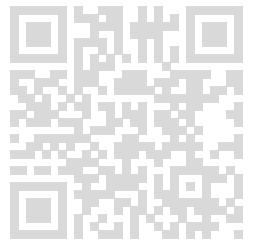
**Concepts Included:**

zen

**Language Used:** PYTHON 3

**Source Code:**

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

**Compilation Details:****TestCase1:****Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

gv gk

**Compilation Status:** Failed

**Execution Time:**

0.011s

**TestCase2:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

hll wrld

**Compilation Status:** Passed

**Execution Time:**

0.01s

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

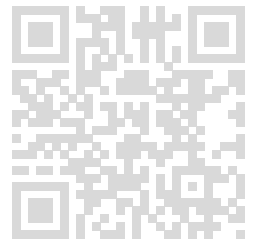
**Constraints**

$0 < N \leq 100$

$0 \leq A[i] \leq 100$

**Sample Input:**

5



1 1 2 5 5

### Sample Output:

2

**Completion Status:** Completed

### Concepts Included:

searching

array

**Language Used:** PYTHON 3

### Source Code:

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

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

### Compilation Details:

#### TestCase1:

##### Input:

< hidden >

##### Expected Output:

< hidden >

##### Output:

1

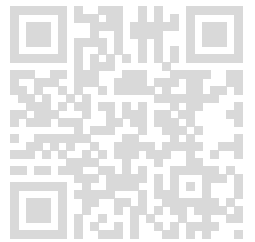
**Compilation Status:** Passed

##### Execution Time:

0.014s

#### TestCase2:

##### Input:



Susmitha (kallurisusmitha93@gmail.com)



< hidden >

### Expected Output:

< hidden >

### Output:

7

**Compilation Status:** Passed

**Execution Time:**

0.01s

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

### Sample Input:

7

1 1 11 121 131 141 98

### Sample Output:

1

**Completion Status:** Completed

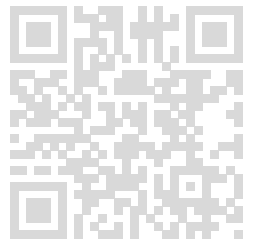
### Concepts Included:

array

**Language Used:** PYTHON 3

### Source Code:

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



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

### Compilation Details:

#### TestCase1:

##### Input:

< hidden >

##### Expected Output:

< hidden >

##### Output:

1

**Compilation Status:** Passed

##### Execution Time:

0.01s

#### TestCase2:

##### Input:

< hidden >

##### Expected Output:

< hidden >

##### Output:

46

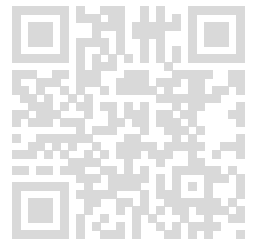
**Compilation Status:** Passed

##### Execution Time:

0.01s

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

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



Susmitha (kallurisusmitha93@gmail.com)

### Sample Input:

5  
13 12 13 12 13

### Sample Output:

12

**Completion Status:** Completed

### Concepts Included:

array

hashing

**Language Used:** PYTHON 3

### Source Code:

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

### Compilation Details:

#### TestCase1:

##### Input:

< hidden >

##### Expected Output:

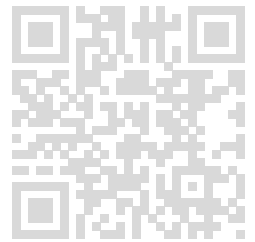
< hidden >

##### Output:

56

**Compilation Status:** Passed

**Execution Time:**



0.01s

### TestCase2:

#### Input:

< hidden >

#### Expected Output:

< hidden >

#### Output:

2

**Compilation Status:** Passed

#### Execution Time:

0.01s

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

#### Sample Input:

5  
A23 B56 B56 C79 D16

#### Sample Output:

A23 B56 C79 D16

**Completion Status:** Completed

#### Concepts Included:

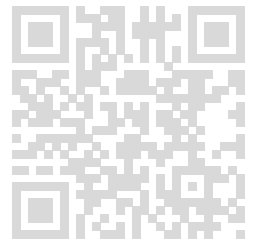
array

set

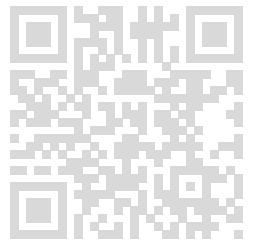
**Language Used:** PYTHON 3

#### Source Code:

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



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



### Compilation Details:

#### TestCase1:

##### Input:

< hidden >

##### Expected Output:

< hidden >

##### Output:

11 12 13 A14 15 19 16 B18

**Compilation Status:** Passed

##### Execution Time:

0.01s

#### TestCase2:

##### Input:

< hidden >

##### Expected Output:

< hidden >

##### Output:

A23 B56 C79 D16

**Compilation Status:** Passed

##### Execution Time:

0.01s

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

### Sample Input:

9  
1 6 4 56 56 56 6 4 2

### Sample Output:

2 1

**Completion Status:** Not Completed

### Concepts Included:

mathematics

array

**Language Used:** PYTHON 3

### Source Code:

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

### Compilation Details:

#### TestCase1:

##### Input:

< hidden >

##### Expected Output:

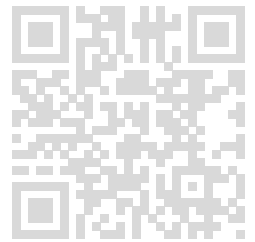
< hidden >

##### Output:

File "script-3.8.1.py", line 11

^

SyntaxError: unexpected EOF while parsing



Runtime Error (NZEC)

**Compilation Status:** Failed

**Execution Time:**

0.01s

**TestCase2:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

File "script-3.8.1.py", line 11

^

SyntaxError: unexpected EOF while parsing

Runtime Error (NZEC)

**Compilation Status:** Failed

**Execution Time:**

0.01s

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

**Sample Input:**

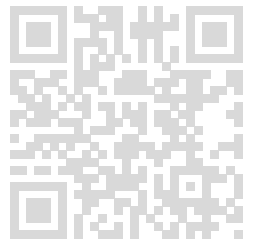
2 10  
1 2

**Sample Output:**

-1

**Completion Status:** Completed

**Concepts Included:**



searching

array

**Language Used:** PYTHON 3

**Source Code:**

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

**Compilation Details:**

**TestCase1:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

1

**Compilation Status:** Passed

**Execution Time:**

0.01s

**TestCase2:**

**Input:**

< hidden >

**Expected Output:**

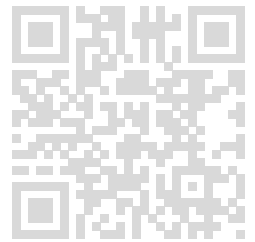
< hidden >

**Output:**

-1

**Compilation Status:** Passed

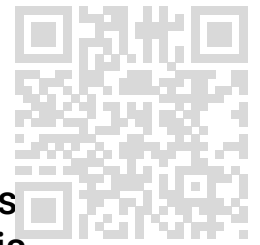
**Execution Time:**



Susmitha (kallurisusmitha93@gmail.com)



0.01s



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

#### Sample Input:

```
5
3 9 1 44 6
```

#### Sample Output:

```
1 9 3 44 6
```

**Completion Status:** Completed

#### Concepts Included:

sorting

array

**Language Used:** PYTHON 3

#### Source Code:

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

#### Compilation Details:

#### TestCase1:

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

1 6 3 4 5 2 7

**Compilation Status:** Passed

**Execution Time:**

0.01s

**TestCase2:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

23 9 39 5 45 47

**Compilation Status:** Passed

**Execution Time:**

0.01s

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

**Sample Input:**

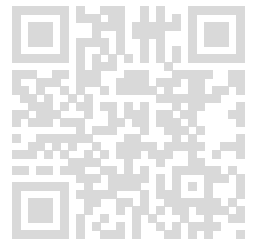
3 3  
23 15 16  
357 65 10

**Sample Output:**

15 16 23 357 65 10

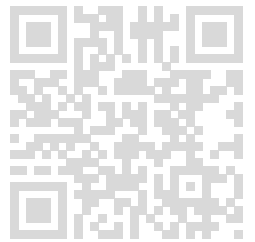
**Completion Status:** Completed

**Concepts Included:**



array

**Language Used:** PYTHON 3



**Source Code:**

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

**Compilation Details:**

**TestCase1:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

15 16 23 357 65 10

**Compilation Status:** Passed

**Execution Time:**

0.01s

**TestCase2:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

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

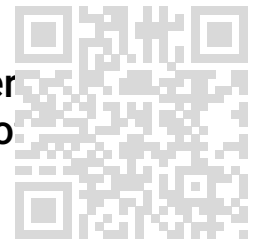
**Compilation Status:** Passed

**Execution Time:**

0.01s

Susmitha (kallurisusmitha93@gmail.com)

188. you are given with array of numbers.you have to find whether array is beautiful or not. A beautiful array is an array whose sum 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())
elements=list(map(int,input().split()))
sum=0
for i in elements:
    sum+=i
if sum%2==0 and sum%3==0 and sum%5==0:
    print("1")
else:
    print("0")
```

**Compilation Details:**

**TestCase1:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

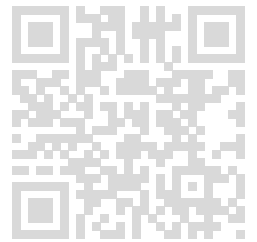
**Output:**

```
1
```

**Compilation Status:** Passed

**Execution Time:**

0.01s



**TestCase2:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

0

**Compilation Status:** Passed

**Execution Time:**

0.011s

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

**CONSTRAINT:**

**$0 \leq \text{salary} \leq 1000000$**

**Sample Input:**

3  
Karthik 23000 rohan 81734 varshini 12343

**Sample Output:**

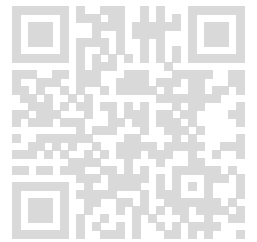
varshini  
Karthik  
Rohan

**Completion Status:** Completed

## Concepts Included:

sorting

array



**Language Used:** PYTHON 3

## Source Code:

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

## Compilation Details:

### TestCase1:

#### Input:

< hidden >

#### Expected Output:

< hidden >

#### Output:

ram  
rohit

**Compilation Status:** Passed

### Execution Time:

0.01s

### TestCase2:

#### Input:

< hidden >

Susmitha (kallurisusmitha93@gmail.com)

**Expected Output:**

< hidden >

**Output:**

jacob  
naveen

**Compilation Status:** Passed

**Execution Time:**

0.01s

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

**Sample Input:**

10  
1 9 8 7 6 5 2 3 4 10

**Sample Output:**

9

**Completion Status:** Completed

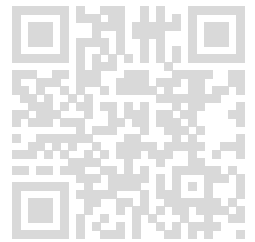
**Concepts Included:**

searching  
array

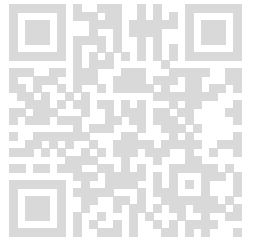
**Language Used:** PYTHON 3

**Source Code:**

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



## Compilation Details:



### TestCase1:

#### Input:

< hidden >

#### Expected Output:

< hidden >

#### Output:

2

**Compilation Status:** Passed

#### Execution Time:

0.01s

### TestCase2:

#### Input:

< hidden >

#### Expected Output:

< hidden >

#### Output:

76

**Compilation Status:** Passed

#### Execution Time:

0.01s

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

### Sample Input:

8  
7000 8000 6500 1200 4000 2800 3000 5230



### Sample Output:

1200 2800 3000 4000 5230 6500 7000 8000

**Completion Status:** Completed

### Concepts Included:

sorting

array

**Language Used:** PYTHON 3

### Source Code:

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

### Compilation Details:

#### TestCase1:

##### Input:

< hidden >

##### Expected Output:

< hidden >

##### Output:

1 2 3 4 5

**Compilation Status:** Passed

##### Execution Time:

0.01s

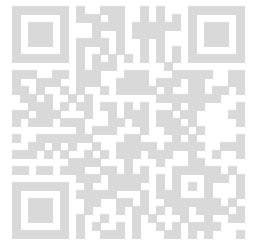
#### TestCase2:

##### Input:

< hidden >

##### Expected Output:

< hidden >



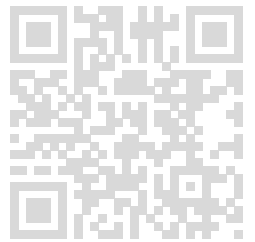
Susmitha (kallurisusmitha93@gmail.com)

**Output:**

1 8 9

**Compilation Status:** Passed**Execution Time:**

0.01s



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

**Sample Input:**

5  
1 2 3 -2 5

**Sample Output:**

9

**Completion Status:** Not Completed**Concepts Included:**

array

**Language Used:** PYTHON 3**Source Code:**

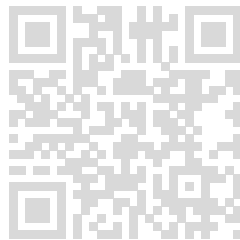
```
a=int(input())
elements=list(map(int,input().split()))
print(sum(elements))
```

**Compilation Details:****TestCase1:****Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

9

**Compilation Status:** Passed

**Execution Time:**

0.01s

**TestCase2:****Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

-10

**Compilation Status:** Failed

**Execution Time:**

0.01s

**193. Given a number N and an array of N integers, find the sum of all the negative numbers in the array. Input Size : N <= 100000 Sample Testcase : INPUT 23 0 OUTPUT 0**

**Completion Status:** Completed

**Concepts Included:**

array

mathematics

**Language Used:** PYTHON 3

**Source Code:**

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

```
print(sum)
```

### Compilation Details:

#### TestCase1:

##### Input:

< hidden >

##### Expected Output:

< hidden >

##### Output:

0

**Compilation Status:** Passed

##### Execution Time:

0.01s

#### TestCase2:

##### Input:

< hidden >

##### Expected Output:

< hidden >

##### Output:

-1

**Compilation Status:** Passed

##### Execution Time:

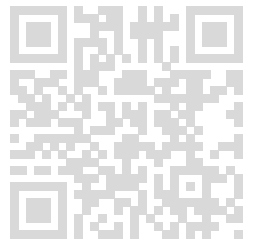
0.01s

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

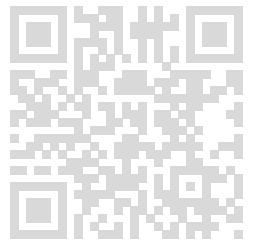
#### Sample Input:

7  
1 2 3 4 4 4 5

#### Sample Output:



Susmitha (kallurusmitha93@gmail.com)



**Completion Status:** Not Completed

**Concepts Included:**

array

numbers

**Language Used:** PYTHON 3

**Source Code:**

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

**Compilation Details:**

**TestCase1:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

4

**Compilation Status:** Passed

**Execution Time:**

0.01s

**TestCase2:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

97 86

**Compilation Status:** Failed

**Execution Time:**

0.01s

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

**Completion Status:** Not Completed

**Concepts Included:**

strings

companies

**Language Used:** PYTHON 3

**Source Code:**

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

**Compilation Details:****TestCase1:****Input:**

< hidden >

**Expected Output:**

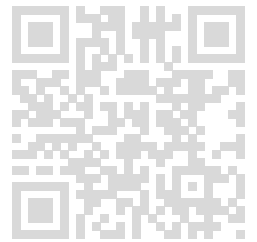
< hidden >

**Output:**

4

**Compilation Status:** Failed

**Execution Time:**



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0.01s

### TestCase2:

#### Input:

< hidden >

#### Expected Output:

< hidden >

#### Output:

8

Compilation Status: Failed

#### Execution Time:

0.01s

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

Completion Status: Completed

#### Concepts Included:

array

companies

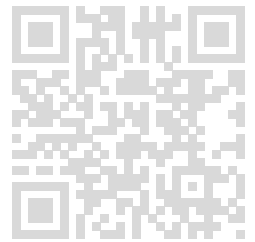
mathematics

Language Used: PYTHON 3

#### Source Code:

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

#### Compilation Details:



### TestCase1:

#### Input:

< hidden >

#### Expected Output:

< hidden >

#### Output:

354

**Compilation Status:** Passed

#### Execution Time:

0.01s

### TestCase2:

#### Input:

< hidden >

#### Expected Output:

< hidden >

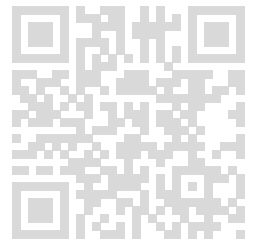
#### Output:

276

**Compilation Status:** Passed

#### Execution Time:

0.01s



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