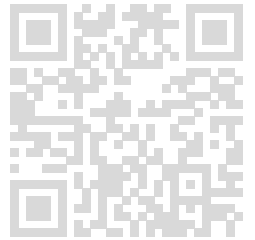


# Codekata Report:



**Name:** Vaishali

**Email:** andalvaishali2004@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:** C

**Source Code:**

```
#include <stdio.h>
```

```
int main() {  
    int a;  
    scanf("%d",&a);  
    printf("%d",a);  
    return 0;  
}
```

**Compilation Details:**

**TestCase1:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

2

**Compilation Status:** Passed

**Execution Time:**

0.001s

**TestCase2:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

4

**Compilation Status:** Passed

**Execution Time:**

0.001s

**2. 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:**

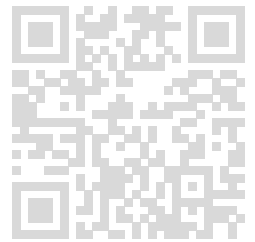
2 4 5

**Completion Status:** Completed

**Concepts Included:**

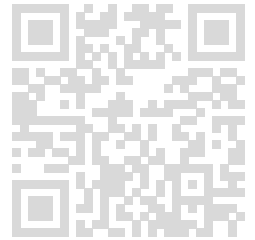
Input/Output

**Language Used:** C



### Source Code:

```
#include <stdio.h>
int main(void) {
    int n,m,o;
    scanf("%d %d %d",&n,&m,&o);
    printf("%d %d %d",n,m,o);
}
```



### Compilation Details:

#### TestCase1:

##### Input:

< hidden >

##### Expected Output:

< hidden >

##### Output:

2 4 5

**Compilation Status:** Passed

##### Execution Time:

0.001s

#### TestCase2:

##### Input:

< hidden >

##### Expected Output:

< hidden >

##### Output:

9 9 9

**Compilation Status:** Passed

##### Execution Time:

0.001s

3. 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:** C

### Source Code:

```
#include <stdio.h>
int main() {
    int n;
    scanf("%d",&n);
    int c=n*n*n;
    printf("%d\n",c);
}
```

### Compilation Details:

#### TestCase1:

##### Input:

< hidden >

##### Expected Output:

< hidden >

##### Output:

-8

**Compilation Status:** Passed

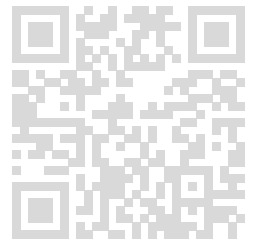
##### Execution Time:

0.001s

#### TestCase2:

##### Input:

< hidden >



Vaishali (andalvaishali2004@gmail.com)

### Expected Output:

< hidden >

### Output:

1

**Compilation Status:** Passed

**Execution Time:**

0.001s

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

(A and B are natural numbers)

### Sample Input:

2

3

### Sample Output:

6

**Completion Status:** Completed

### Concepts Included:

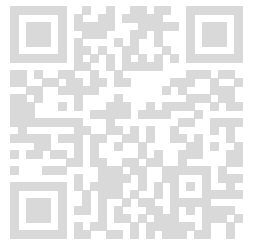
absolute beginner

**Language Used:** C

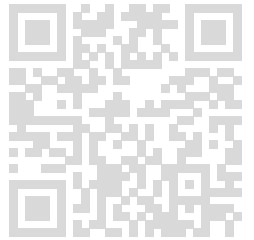
### Source Code:

```
#include <stdio.h>
int main(void) {
    int l,b;
    scanf("%d",&l);
    scanf("%d",&b);
    int a=l*b;
    printf("%d",a);
}
```

### Compilation Details:



Vaishali (andalvaishali2004@gmail.com)

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

< hidden >

**Expected Output:**

< hidden >

**Output:**

144

**Compilation Status:** Passed

**Execution Time:**

0.001s

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

< hidden >

**Expected Output:**

< hidden >

**Output:**

30

**Compilation Status:** Passed

**Execution Time:**

0.001s

Vaishali (andalvaishali2004@gmail.com)

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

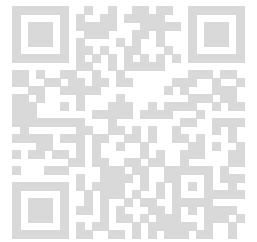
**Sample Input:**

10

**Sample Output:**

10  
9  
8  
7  
6  
5

4  
3  
2  
1



**Completion Status:** Completed

**Concepts Included:**

absolute beginner

basics

Looping

**Language Used:** C

**Source Code:**

```
#include <stdio.h>
void main()
{
    int n;
    scanf("%d",&n);
    for(int i=n;i>0;i--){
        printf("%d\n",i);
    }
}
```

Vaishali (andalvaishali2004@gmail.com)

**Compilation Details:**

**TestCase1:**

**Input:**

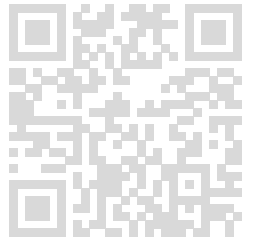
< hidden >

**Expected Output:**

< hidden >

**Output:**

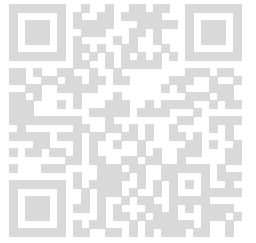
100  
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Vaishali (andalvaishali2004@gmail.com)





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7  
6  
5  
4  
3  
2  
1

Vaishali (andalvaishali2004@gmail.com)

**Compilation Status:** Passed

**Execution Time:**

0.001s

**TestCase2:**

**Input:**

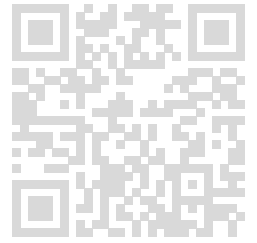
< hidden >

**Expected Output:**

< hidden >

**Output:**

5  
4  
3  
2  
1



**Compilation Status:** Passed

**Execution Time:**

0.002s

**6. 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

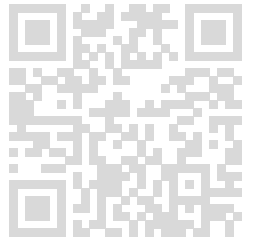
**Language Used:** C

**Source Code:**

```
#include <stdio.h>
void main()
{
    int n1,n2;
    scanf("%d %d",&n1,&n2);
    if(n1<n2 && n2>n1){
        printf("%d",n1);
    }
    else{
        printf("%d",n2);
    }
}
```

**Compilation Details:**

Vaishali (andalvaishali2004@gmail.com)

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

< hidden >

**Expected Output:**

< hidden >

**Output:**

2

**Compilation Status:** Passed

**Execution Time:**

0.001s

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

< hidden >

**Expected Output:**

< hidden >

**Output:**

32

**Compilation Status:** Passed

**Execution Time:**

0.001s

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7. 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:** C

**Source Code:**

```
#include <stdio.h>

int main() {
    int y;
    scanf("%d",&y);
    if((y%4==0 && y%100!=0) || y%400==0)
        printf("Y");
    else
        printf("N");
}
```

**Compilation Details:**

**TestCase1:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

N

**Compilation Status:** Passed

**Execution Time:**

0.001s

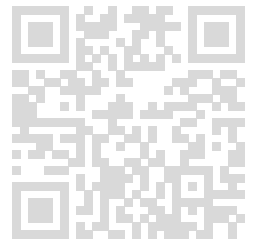
**TestCase2:**

**Input:**

< hidden >

**Expected Output:**

< hidden >



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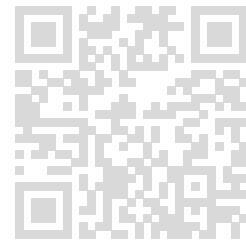
**Output:**

Y

**Compilation Status:** Passed

**Execution Time:**

0.001s



**8. 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:** C

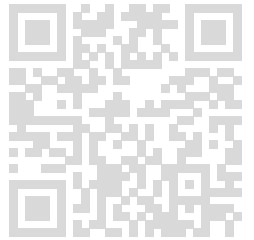
**Source Code:**

```
#include <stdio.h>
```

```
int main() {  
    int A ,N;  
    scanf("%d %d",&A,&N);  
    for(int i=1;i<=N;i++){  
        printf("%d\n",A);  
    }  
}
```

**Compilation Details:**

Vaishali (andalvaishali2004@gmail.com)

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

< hidden >

**Expected Output:**

< hidden >

**Output:**

5  
5  
5  
5

**Compilation Status:** Passed

**Execution Time:**

0.001s

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

< hidden >

**Expected Output:**

< hidden >

**Output:**

10  
10  
10  
10  
10

**Compilation Status:** Passed

**Execution Time:**

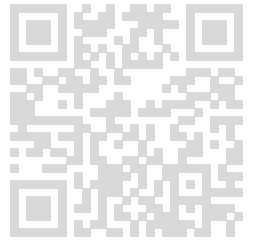
0.001s

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

**Sample Input:**

2

**Sample Output:**



**Completion Status:** Completed

**Concepts Included:**

absolute beginner

**Language Used:** C

**Source Code:**

```
#include <stdio.h>
```

```
int main() {  
    int N;  
    scanf("%d",&N);  
    int fact=1;  
    for(int i=1;i<=N;i++){  
        fact=fact*i;  
    }  
    printf("%d",fact);  
}
```

**Compilation Details:**

**TestCase1:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

24

**Compilation Status:** Passed

**Execution Time:**

0.001s

**TestCase2:**

**Input:**

< hidden >

### Expected Output:

< hidden >

### Output:

6

Compilation Status: Passed

### Execution Time:

0.001s

10. 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: C

### Source Code:

```
#include <stdio.h>
```

```
int main() {  
    int B,H;  
    scanf("%d %d",&B,&H);  
    float A=(B * H)/2.0;  
    printf("%.2f",A);  
    return 0;  
}
```

### Compilation Details:

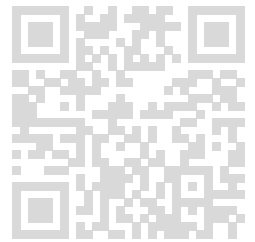
### TestCase1:

### Input:

< hidden >

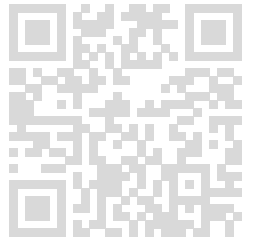
### Expected Output:

< hidden >



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**Output:**

4.50

**Compilation Status:** Passed

**Execution Time:**

0.001s

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

< hidden >

**Expected Output:**

< hidden >

**Output:**

16.00

**Compilation Status:** Passed

**Execution Time:**

0.001s

**11. 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

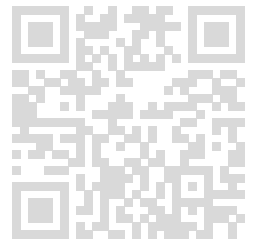
**Language Used:** C

**Source Code:**

```
#include <stdio.h>
```

```
int main() {  
    int n,sum=0;  
    scanf("%d",&n);  
    for(int i=1;i<=n;i++){
```

```
sum=sum+i;
}  
printf("%d",sum);  
}
```



### Compilation Details:

#### TestCase1:

##### Input:

< hidden >

##### Expected Output:

< hidden >

##### Output:

1

**Compilation Status:** Passed

##### Execution Time:

0.001s

#### TestCase2:

##### Input:

< hidden >

##### Expected Output:

< hidden >

##### Output:

210

**Compilation Status:** Passed

##### Execution Time:

0.001s

**12. Given numbers A,B find  $A^B$ . Input Size :  $1 \leq A \leq 5 \leq B \leq 50$**   
**Sample Testcase : INPUT 3 4 OUTPUT 81**

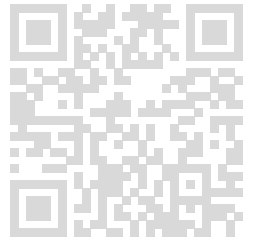
**Completion Status:** Completed

**Concepts Included:**

array

mathematics

basics



**Language Used: C**

**Source Code:**

```
#include <stdio.h>
```

```
int main() {  
    int A,B,power=1;  
    scanf("%d %d",&A,&B);  
    for(int i=0;i<B;i++){  
        power*=A;  
    }  
    printf("%d",power);  
    return 0;  
}
```

**Compilation Details:**

**TestCase1:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

243

**Compilation Status:** Passed

**Execution Time:**

0.001s

**TestCase2:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

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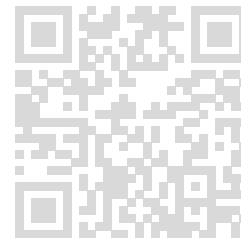
**Output:**

4

**Compilation Status:** Passed

**Execution Time:**

0.001s



**13. 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:** C

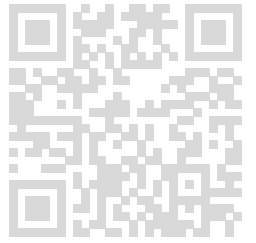
**Source Code:**

```
#include <stdio.h>

int main() {
    int N;
    scanf("%d",&N);
    for(int i=1;i<=5;i++){
        printf("%d\n",N);
    }
}
```

**Compilation Details:**

Vaishali (andalvaishali2004@gmail.com)

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

< hidden >

**Expected Output:**

< hidden >

**Output:**

5  
5  
5  
5  
5

**Compilation Status:** Passed

**Execution Time:**

0.001s

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

< hidden >

**Expected Output:**

< hidden >

**Output:**

10  
10  
10  
10  
10

**Compilation Status:** Passed

**Execution Time:**

0.001s

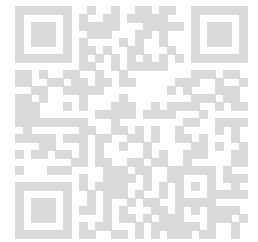
**14. Write a code to get an integer N and print values from 1 till N in a separate line.**

**Sample Input:**

5

## Sample Output:

1  
2  
3  
4  
5



**Completion Status:** Completed

## Concepts Included:

absolute beginner

basics

Looping

## Language Used: C

## Source Code:

```
#include <stdio.h>
```

```
int main() {  
    int N;  
    scanf("%d",&N);  
    for(int i=1;i<=N;i++){  
        printf("%d\n",i);  
    }  
}
```

Vaishali (andalvaishali2004@gmail.com)

## Compilation Details:

### TestCase1:

#### Input:

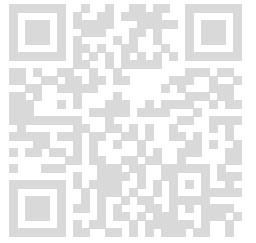
< hidden >

#### Expected Output:

< hidden >

#### Output:

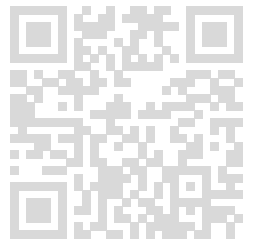
1  
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Vaishali (andalvaishali2004@gmail.com)

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100



Vaishali (andalvaishali2004@gmail.com)

**Compilation Status:** Passed

**Execution Time:**

0.001s

**TestCase2:**

**Input:**

< hidden >

**Expected Output:**



< hidden >

### Output:

1  
2  
3  
4  
5  
6  
7  
8  
9  
10

**Compilation Status:** Passed

**Execution Time:**

0.001s

**15. 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

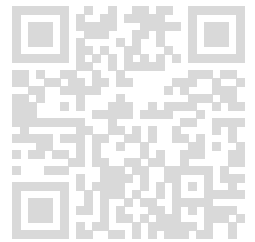
basics

Looping

**Language Used:** C

**Source Code:**

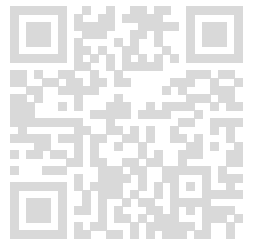
```
#include <stdio.h>
int main() {
    long long N;
    int rem,sum=0;
    scanf("%lld",&N);
```



```
if(N<0)
N=-N;
while(N>0){
rem=N%10;
sum=sum+rem;
N/=10;

}
printf("%d",sum);

}
```



### Compilation Details:

#### TestCase1:

##### Input:

< hidden >

##### Expected Output:

< hidden >

##### Output:

45

**Compilation Status:** Passed

##### Execution Time:

0.001s

#### TestCase2:

##### Input:

< hidden >

##### Expected Output:

< hidden >

##### Output:

49

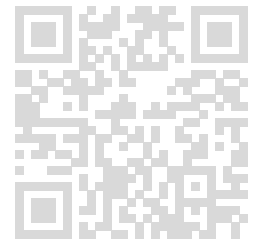
**Compilation Status:** Passed

##### Execution Time:

0.001s

Vaishali (andalvaishali2004@gmail.com)

**16. Given 2 numbers N and M add both the numbers and check whether the sum is odd or even. Sample Testcase : INPUT 9 2 OUTPUT odd**



**Completion Status:** Completed

**Concepts Included:**

basics

mathematics

**Language Used:** C

**Source Code:**

```
#include <stdio.h>
int main() {
    int N,M;
    scanf("%d %d",&N,&M);
    int sum=N+M;
    if(sum%2==0)
        printf("even");
    else
        printf("odd");
}
```

**Compilation Details:**

**TestCase1:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

odd

**Compilation Status:** Passed

**Execution Time:**

0.001s

**TestCase2:**

**Input:**

< hidden >

### Expected Output:

< hidden >

### Output:

even

**Compilation Status:** Passed

**Execution Time:**

0.001s

**17. 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

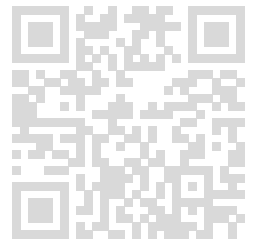
bit manipulation

Looping

**Language Used:** C

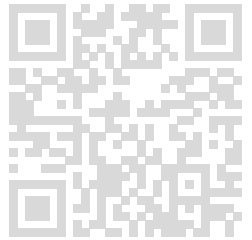
### Source Code:

```
#include <stdio.h>
#include<string.h>
int main() {
char c[50];
scanf("%[^\n]",c);
int length=strlen(c);
for(int j=length-1;j>=0;j--){
printf("%c",c[j]);
}
```



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}



### Compilation Details:

#### TestCase1:

##### Input:

< hidden >

##### Expected Output:

< hidden >

##### Output:

elgooG

**Compilation Status:** Passed

##### Execution Time:

0.001s

#### TestCase2:

##### Input:

< hidden >

##### Expected Output:

< hidden >

##### Output:

koobecaf

**Compilation Status:** Passed

##### Execution Time:

0.001s

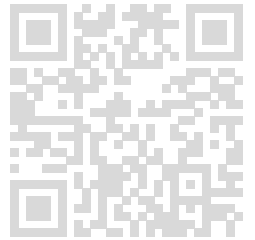
**18. Given 3 numbers A,B,C process and print 'yes' if they can form the sides of a triangle otherwise print 'no'.Input Size : A,B,C <= 100000Sample Testcase :INPUT3 4 5OUTPUTyes**

**Completion Status:** Completed

### Concepts Included:

mathematics

basics



**Language Used:** C

**Source Code:**

```
#include <stdio.h>
int main() {
int A,B,C;
scanf("%d %d %d",&A,&B,&C);
if(A+B>C && A+C>B && B+C>A){
printf("yes");
}
else
printf("no");

}
```

**Compilation Details:**

**TestCase1:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

no

**Compilation Status:** Passed

**Execution Time:**

0.001s

**TestCase2:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

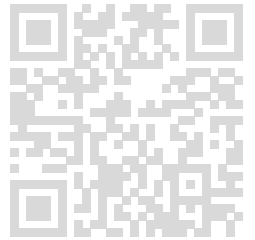
yes

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**Compilation Status:** Passed

**Execution Time:**

0.001s



**19. 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:** Not Completed

**Concepts Included:**

mathematics

array

bitwise

basics

**Language Used:** C

**Source Code:**

```
#include <stdio.h>
int main() {
    int N;
    scanf("%d", &N);
    int a[N];
    for (int i = 0; i < N; i++) {
        scanf("%d", &a[i]);
    }
    for (int i = 0; i < N - 1; i += 2) {
        int temp = a[i];
        a[i] = a[i + 1];
        a[i + 1] = temp;
    }
    for (int i = 0; i < N; i++) {
        printf("%d ", a[i]);
    }
    return 0;
}
```

**Compilation Details:**

**TestCase1:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

3 2 5 4 5 6

**Compilation Status:** Failed

**Execution Time:**

0.001s

**TestCase2:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

2 3 2 3 1

**Compilation Status:** Failed

**Execution Time:**

0.001s

**20. 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:**

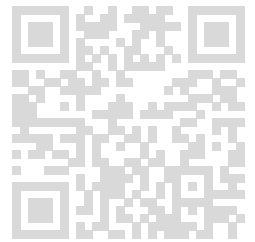
2 4

1 3

**Completion Status:** Not Completed

**Concepts Included:**

basics





absolute beginner

Looping

**Language Used: C**

**Source Code:**

```
#include <stdio.h>
```

```
int main() {
```

```
    int a[4];  
    for(int i=0;i<4;i++){  
        scanf("%d",&a[i]);  
    }  
    for(int i=0;i<4;i++){  
        if(a[i]%2==0){  
            printf("%d ",a[i]);
```

```
        }  
        printf("\n");  
    }
```

```
    for(int i=0;i<4;i++){  
        if(a[i]%2!=0){  
            printf("%d ",a[i]);
```

```
        }  
        printf("\n");  
    }
```

```
}
```

**Compilation Details:**

**TestCase1:**

**Input:**

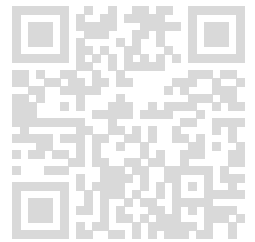
< hidden >

**Expected Output:**

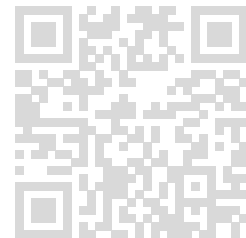
< hidden >

**Output:**

233342  
0  
4198496  
0



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**Compilation Status:** Failed

**Execution Time:**

0.001s

**TestCase2:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

535225324

0

4198496

0

**Compilation Status:** Failed

**Execution Time:**

0.001s

**21. 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: C**

**Source Code:**

```
#include <stdio.h>
```

```
int main() {  
    int N, sum = 0;  
    scanf("%d", &N);  
    for (int i = 1; i <= N; i++) {  
        sum += i;  
    }  
    printf("%d\n", sum);  
    return 0;  
}
```

**Compilation Details:**

**TestCase1:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

5050

**Compilation Status:** Passed

**Execution Time:**

0.001s

**TestCase2:**

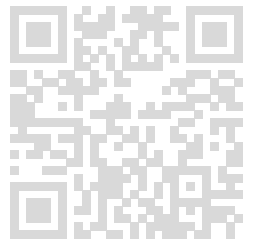
**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**



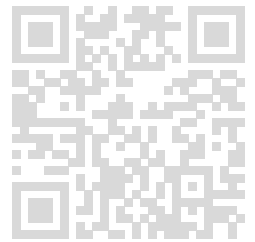
Vaishali (andalvaishali2004@gmail.com)

1225

**Compilation Status:** Passed

**Execution Time:**

0.001s



**22. 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:** C

**Source Code:**

```
#include <stdio.h>
```

```
int main() {  
    int N, rem;  
    scanf("%d", &N);  
    for(int i=1;i<=N;i++){  
        if(i%2==0){  
            printf("%d\n",i);  
        }  
    }  
}
```

```
}}
```

**Compilation Details:**

**TestCase1:**

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**Input:**

< hidden >

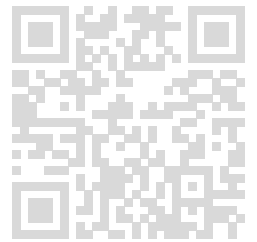
**Expected Output:**

< hidden >

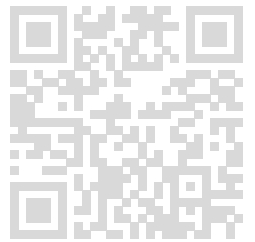
**Output:**

2  
4  
6  
8  
10  
12  
14  
16  
18  
20  
22  
24  
26  
28  
30  
32  
34  
36  
38  
40  
42  
44  
46  
48  
50  
52  
54  
56  
58  
60  
62  
64  
66  
68  
70  
72  
74  
76  
78  
80  
82  
84  
86  
88  
90

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92  
94  
96  
98  
100



**Compilation Status:** Passed

**Execution Time:**

0.001s

**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

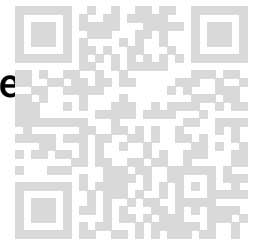
Vaishali (andalvaishali2004@gmail.com)

**Compilation Status:** Passed

**Execution Time:**

0.001s

23. 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: C

Source Code:

```
#include <stdio.h>
```

```
int main() {  
    int N;  
    scanf("%d", &N);  
    if (N == 0) {  
        printf("NULL");  
    } else {  
        for (int i = 1; i <= N; i++) {  
            printf("%d", 9 * i);  
            if (i < N) {  
                printf(" ");  
            }  
        }  
        return 0;  
    }  
}
```

Compilation Details:

TestCase1:

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

9 18 27

**Compilation Status:** Passed

**Execution Time:**

0.001s

**TestCase2:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

9

**Compilation Status:** Passed

**Execution Time:**

0.001s

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

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

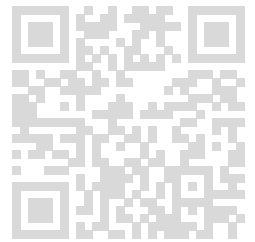
**Note:** In case of a decimal, Round off to nearest integer and then find the output. Incase the input is zero, print "Zero".

**Sample Input:**

2

**Sample Output:**

Even





**Completion Status:** Completed

**Concepts Included:**

absolute beginner

**Language Used:** C

**Source Code:**

```
#include <stdio.h>
#include<math.h>
int main() {
    int N;
    scanf("%d", &N);
    int rounded=round(N);
    if(rounded%2==0 && rounded!=0){
        printf("Even");
    }
    else if(rounded%2!=0 ){
        printf("Odd");
    }
    else if(rounded==0){
        printf("Zero");
    }
    return 0;
}
```

**Compilation Details:**

**TestCase1:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

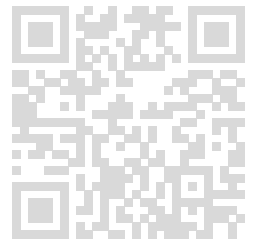
Even

**Compilation Status:** Passed

**Execution Time:**

0.001s

**TestCase2:**



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**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

Odd

**Compilation Status:** Passed

**Execution Time:**

0.001s

**25. 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

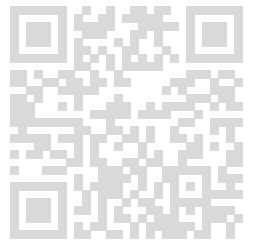
**Concepts Included:**

absolute beginner

**Language Used:** C

**Source Code:**

```
#include <stdio.h>
#include<math.h>
int main() {
int A,B,C;
scanf("%d",&A);
scanf("%d",&B);
C=round(A+B);
printf("%d",C);
}
```



### Compilation Details:

#### TestCase1:

##### Input:

< hidden >

##### Expected Output:

< hidden >

##### Output:

20

**Compilation Status:** Passed

##### Execution Time:

0.001s

#### TestCase2:

##### Input:

< hidden >

##### Expected Output:

< hidden >

##### Output:

27

**Compilation Status:** Passed

##### Execution Time:

0.001s

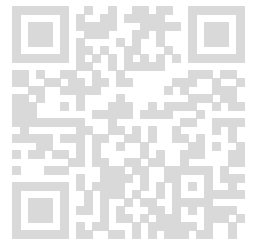
**26. Print the First 3 multiples of the given number "N". (N is a positive integer)**

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

##### Sample Input:

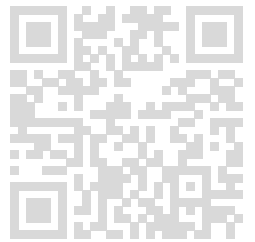
2

##### Sample Output:



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2 4 6



**Completion Status:** Completed

**Concepts Included:**

absolute beginner

**Language Used:** C

**Source Code:**

```
#include <stdio.h>
```

```
int main() {  
    int N, mul=1;  
    scanf("%d", &N);
```

```
    if(N>0)  
    {  
        for(int j=1;j<=3;j++)  
        {  
            mul=N*j;
```

```
            printf("%d",mul);  
            if(j<3) printf(" ");  
        }  
    }
```

```
}
```

```
}
```

**Compilation Details:**

**TestCase1:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

2 4 6

**Compilation Status:** Passed

**Execution Time:**

0.001s

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

< hidden >

**Expected Output:**

< hidden >

**Output:**

4 8 12

**Compilation Status:** Passed

**Execution Time:**

0.001s

27. 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

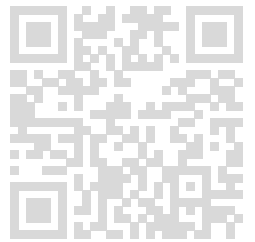
**Completion Status:** Completed

**Concepts Included:**

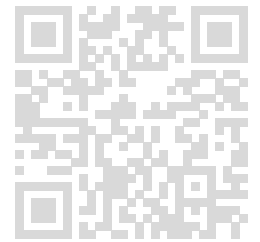
absolute beginner

**Language Used:** C**Source Code:**

```
#include <stdio.h>
#include<math.h>
int main() {
int a;
scanf("%d",&a);
```



```
int c=a*a;
float d=sqrt(3);
float e=d*c;
float f=e/4;
printf("%.2f",f);
return 0;
}
```



### Compilation Details:

#### TestCase1:

##### Input:

< hidden >

##### Expected Output:

< hidden >

##### Output:

173.21

**Compilation Status:** Passed

##### Execution Time:

0.001s

#### TestCase2:

##### Input:

< hidden >

##### Expected Output:

< hidden >

##### Output:

4243.96

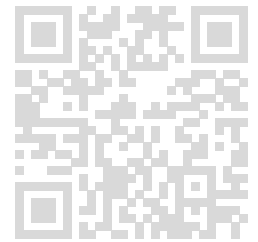
**Compilation Status:** Passed

##### Execution Time:

0.001s

28. 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:** C

**Source Code:**

```
#include <stdio.h>
#include<math.h>
int main() {
//const float pi=3.14;
double a;
scanf("%lf",&a);
if(a<0){
printf("error");
}
else{

double c=2*M_PI*a;
printf("%.2lf",c);
}
}
```

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**Compilation Details:**

**TestCase1:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

12.57

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

0.001s

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

< hidden >

**Expected Output:**

< hidden >

**Output:**

2.51

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

0.001s

**29. 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:**

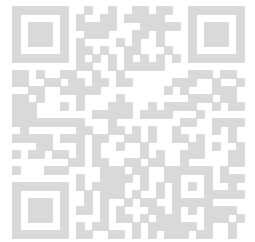
12

**Sample Output:**

53.60

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

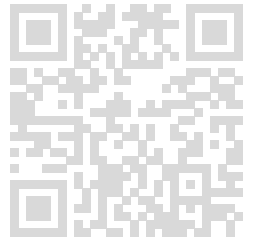
absolute beginner

**Language Used:** C



### Source Code:

```
#include <stdio.h>
void main()
{
double f,c;
scanf("%lf",&c);
f=(c*9/5)+32;
printf("%.2f",f);
}
```



### Compilation Details:

#### TestCase1:

##### Input:

< hidden >

##### Expected Output:

< hidden >

##### Output:

32.00

**Compilation Status:** Passed

##### Execution Time:

0.001s

#### TestCase2:

##### Input:

< hidden >

##### Expected Output:

< hidden >

##### Output:

69.80

**Compilation Status:** Passed

##### Execution Time:

0.001s

**30. 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:** C

### Source Code:

```
#include <stdio.h>

int main() {
    int A,B,C;
    scanf("%d %d %d",&A,&B,&C);
    if(A>B && A>C)
        printf("%d",A);
    else if(B>A && B>C)
        printf("%d",B);
    else
        printf("%d",C);
}
```

### Compilation Details:

#### TestCase1:

##### Input:

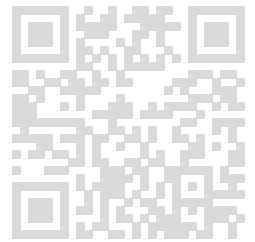
< hidden >

##### Expected Output:

< hidden >

##### Output:

3

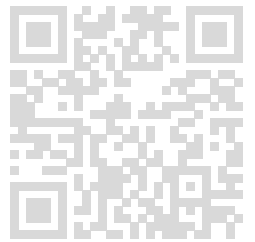


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**Compilation Status:** Passed

**Execution Time:**

0.001s



**TestCase2:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

0

**Compilation Status:** Passed

**Execution Time:**

0.001s

31. 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

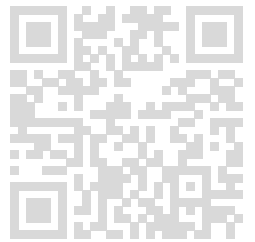
**Language Used:** C

**Source Code:**

```
#include <stdio.h>
```

```
int main() {
int N;
scanf("%d",&N);
int sum=1;
if(N>0){
for(int i=1;i<=N;i++){
sum=i*i;
}
printf("%d",sum);}
else if(N<0)
printf("error");
else
printf("0");

}
```



### Compilation Details:

#### TestCase1:

##### Input:

< hidden >

##### Expected Output:

< hidden >

##### Output:

324

**Compilation Status:** Passed

##### Execution Time:

0.001s

#### TestCase2:

##### Input:

< hidden >

##### Expected Output:

< hidden >

##### Output:

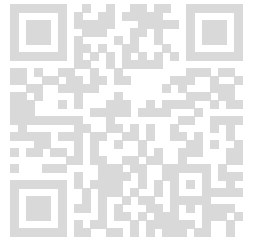
0

**Compilation Status:** Passed

##### Execution Time:

Vaishali (andalvaishali2004@gmail.com)

0.001s



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

**Sample Input:**

guvigeeek

**Sample Output:**

g  
u  
v  
i  
g  
e  
e  
k

**Completion Status:** Completed

**Concepts Included:**

Input/Output

**Language Used:** C

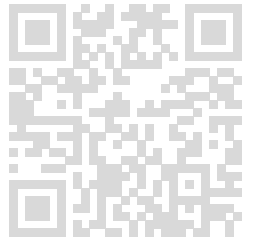
**Source Code:**

```
#include <stdio.h>
#include <string.h>

int main() {
    char str[100];
    scanf("%s", str);
    int length = strlen(str);
    for(int i = 0; i < length; i++) {
        printf("%c", str[i]);
        if(i < length - 1) {
            printf("\n");
        }
    }

    printf("\n");
    return 0;
}
```

**Compilation Details:**



### TestCase1:

#### Input:

< hidden >

#### Expected Output:

< hidden >

#### Output:

g  
u  
v  
i  
g  
e  
e  
k

Compilation Status: Passed

#### Execution Time:

0.001s

### TestCase2:

#### Input:

< hidden >

#### Expected Output:

< hidden >

#### Output:

c  
o  
d  
e

Compilation Status: Passed

#### Execution Time:

0.001s

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

#### Sample Input:

g u v i

### Sample Output:

g u v i

**Completion Status:** Completed

### Concepts Included:

Input/Output

**Language Used:** C

### Source Code:

```
#include <stdio.h>
#include <string.h>

int main() {
    char str[100];
    scanf("%s", str);
    int length = strlen(str);
    for(int i = 0; i < length; i++) {
        printf("%c", str[i]);
        if(i < length - 1) {
            printf(" ");
        }
    }

    printf("\n");
    return 0;
}
```

Vaishali (andalvaishali2004@gmail.com)

### Compilation Details:

#### TestCase1:

##### Input:

< hidden >

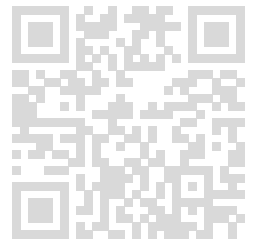
##### Expected Output:

< hidden >

##### Output:

g u v i

**Compilation Status:** Passed



**Execution Time:**

0.001s

**TestCase2:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

c o d e k a t a

**Compilation Status:** Passed

**Execution Time:**

0.001s

**34. 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:**

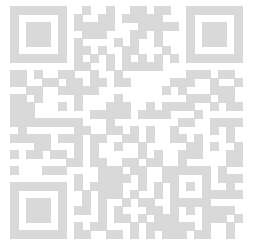
Input/Output

**Language Used:** C

**Source Code:**

```
#include <stdio.h>
```

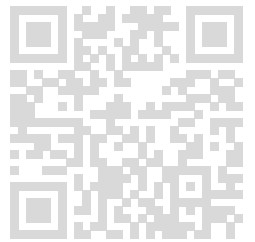
```
int main() {  
float a,b,c;
```



Vaishali (andalvaishali200@gmail.com)



```
scanf("%f",&a);
scanf("%f",&b);
scanf("%f",&c);
printf("%.1f\n%.1f\n%.1f\n",a,b,c);
return 0;
}
```



### Compilation Details:

#### TestCase1:

##### Input:

< hidden >

##### Expected Output:

< hidden >

##### Output:

2.3  
4.5  
7.8

**Compilation Status:** Passed

##### Execution Time:

0.001s

#### TestCase2:

##### Input:

< hidden >

##### Expected Output:

< hidden >

##### Output:

1.2  
3.4  
5.6

**Compilation Status:** Passed

##### Execution Time:

0.001s

**35. 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:** C

**Source Code:**

```
#include <stdio.h>
#include <string.h>

int main() {
    char str[100];
    scanf("%s", str);
    int length = strlen(str);
    for(int i = 0; i < length; i++) {
        printf("%c", str[i]);
        if(i < length - 1) {
            printf(",");
        }
    }

    printf("\n");
    return 0;
}
```

**Compilation Details:**

**TestCase1:**

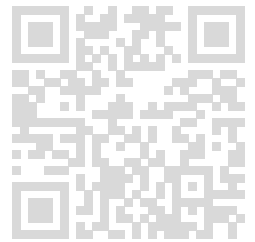
**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**



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g,u,v,i

**Compilation Status:** Passed

**Execution Time:**

0.001s

**TestCase2:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

h,e,l,l,o

**Compilation Status:** Passed

**Execution Time:**

0.002s

**36. 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

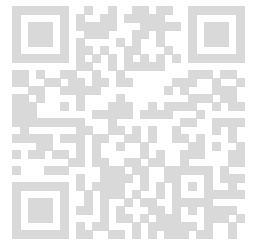
**Concepts Included:**

Input/Output

**Language Used:** C

**Source Code:**

```
#include <stdio.h>
```



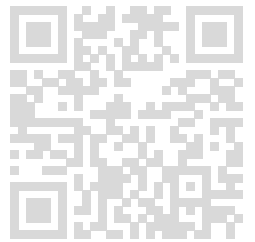
Vaishali (andalvaishali2004@gmail.com)

```
int main() {
char input[1000];

fgets(input, sizeof(input), stdin);

printf("%s", input);

return 0;
}
```



### Compilation Details:

#### TestCase1:

##### Input:

< hidden >

##### Expected Output:

< hidden >

##### Output:

2 3 4 5 6 7 8

**Compilation Status:** Passed

##### Execution Time:

0.001s

#### TestCase2:

##### Input:

< hidden >

##### Expected Output:

< hidden >

##### Output:

12 13 14 15 16 17 18

**Compilation Status:** Passed

##### Execution Time:

0.001s

**37. 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:** C

### Source Code:

```
#include <stdio.h>

int main() {
    int n,k;
    scanf("%d %d",&n,&k);
    printf("%d %d\n",n,k);
    int a[n];
    for(int i=0;i<n;i++){
        scanf("%d",&a[i]);
    }
    for(int i=0;i<n;i++){
        printf("%d",a[i]);
        if(i<n-1)
            printf(" ");
    }
    printf("\n");
    return 0;
}
```

### Compilation Details:

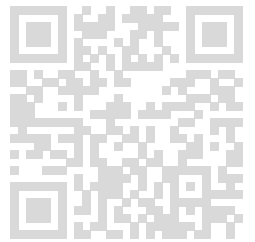
#### TestCase1:

##### Input:

< hidden >

##### Expected Output:

< hidden >



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**Output:**

5 3  
1 2 3 4 5

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

0.001s

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

< hidden >

**Expected Output:**

< hidden >

**Output:**

4 2  
1 4 3 2

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

0.001s

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

**Sample Input:**

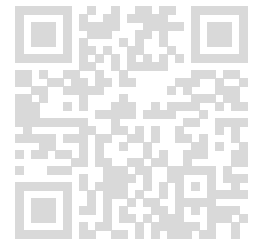
2 4  
2 4  
2 4

**Sample Output:**

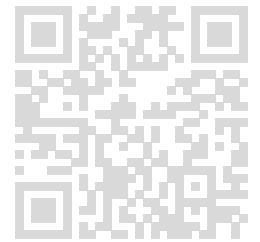
2 4  
2 4  
2 4

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

Input/Output



**Language Used:** C



**Source Code:**

```
#include <stdio.h>

int main() {
    int a,b;
    scanf("%d %d",&a,&b);
    int c,d;
    scanf("%d %d",&c,&d);
    int e,f;
    scanf("%d %d",&e,&f);
    printf("%d %d\n",a,b);
    printf("%d %d\n",c,d);
    printf("%d %d\n",e,f);
    return 0;
}
```

**Compilation Details:**

**TestCase1:**

**Input:**

< hidden >

**Expected Output:**

< hidden >

**Output:**

2 4  
2 4  
2 4

**Compilation Status:** Passed

**Execution Time:**

0.001s

**TestCase2:**

**Input:**

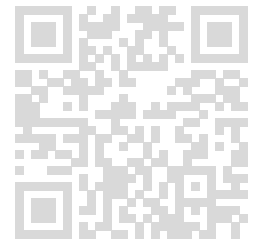
< hidden >

**Expected Output:**

< hidden >

**Output:**

1 3  
2 3  
4 5



**Compilation Status:** Passed

**Execution Time:**

0.001s

**39. 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:** C

**Source Code:**

```
#include <stdio.h>

int main() {
    int a,b;
    scanf("%d %d",&a,&b);
    int c,d,g;
    scanf("%d %d %d",&c,&d,&g);
    int e,f,h;
    scanf("%d %d %d",&e,&f,&h);
    printf("%d %d\n",a,b);
    printf("%d %d %d\n",c,d,g);
    printf("%d %d %d\n",e,f,h);
    return 0;
}
```



## Compilation Details:

### TestCase1:

#### Input:

< hidden >

#### Expected Output:

< hidden >

#### Output:

2 5  
2 5 6  
2 4 5

Compilation Status: Passed

#### Execution Time:

0.001s

### TestCase2:

#### Input:

< hidden >

#### Expected Output:

< hidden >

#### Output:

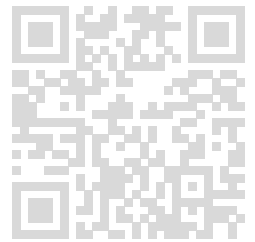
1 2  
1 2 4  
1 2 3

Compilation Status: Passed

#### Execution Time:

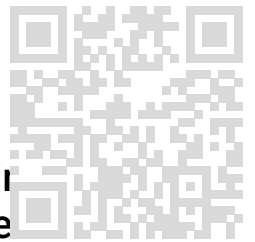
0.001s

40. 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



Vaishali (andalvaishali2004@gmail.com)

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:** C

### Source Code:

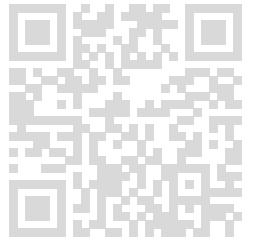
```
#include <stdio.h>
int main() {
    int n;
    scanf("%d",&n);
    int a[n];
    for(int i=0;i<n;i++){
        scanf("%d",&a[i]);
    }
    int temp;
    for(int i=0;i<n-1;i++){
        for(int j=i+1;j<n;j++){
            if(a[i]>a[j])
            {
                temp=a[i];
                a[i]=a[j];
                a[j]=temp;
            }
        }
    }

    printf("%d",a[0]);

}
```

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**Compilation Details:**



### TestCase1:

#### Input:

< hidden >

#### Expected Output:

< hidden >

#### Output:

1

**Compilation Status:** Passed

**Execution Time:**

0.001s

### TestCase2:

#### Input:

< hidden >

#### Expected Output:

< hidden >

#### Output:

1

**Compilation Status:** Failed

**Execution Time:**

0.001s

Vaishali (andalvaishali2004@gmail.com)

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

**Completion Status:** Not Completed

#### Concepts Included:

mathematics

basics

**Language Used:** C

## Source Code:

```
#include <stdio.h>
#include <math.h>

int main() {
    long long N, M;
    scanf("%lld %lld", &N, &M);
    long long p = N * M;
    long long sq = (long long)sqrt((double)p);
    long long ps = sq * sq;

    if (ps == p) {
        printf("yes\n");
    } else {
        printf("no\n");
    }

    return 0;
}
```

## Compilation Details:

### TestCase1:

#### Input:

< hidden >

#### Expected Output:

< hidden >

#### Output:

/usr/bin/ld: /tmp/ccD9sz3g.o: in function `main':  
main.c:(.text+0x39): undefined reference to `sqrt'  
collect2: error: ld returned 1 exit status

Compilation Error

**Compilation Status:** Failed

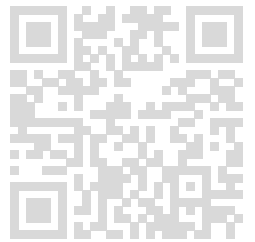
### TestCase2:

#### Input:

< hidden >

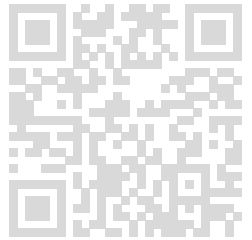
#### Expected Output:

< hidden >



## Output:

```
/usr/bin/ld: /tmp/ccKoNEGm.o: in function `main':  
main.c:(.text+0x39): undefined reference to `sqrt'  
collect2: error: ld returned 1 exit status
```



Compilation Error

**Compilation Status:** Failed

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