Codekata Report:

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

Sample Input:

2

Sample Output:

2

Completion Status: Completed

Concepts Included:

Input/Output

Language Used: 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 >

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:

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

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);
}

}
```


Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

100
99
98
97
96
95
94
93
92

37
36
35
34
33
32
31
30
29
28
27
26
25
24
23
22
21
20
19
18
17
16
15
14
13
12
11
10
9
8
7
6
5
4
3
2
1

Compilation Status: Passed

Execution Time:

0.001s

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:

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

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 >

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:

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:

2

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 >

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 <= 100000Sample Testcase :INPUT3OUTPUT6

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 <= A <= 5 <= B <= 50Sample Testcase :INPUT3 4OUTPUT81

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 >

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:

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);
}

}
```


Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

1
2
3
4
5
6

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

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

16. 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: 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]);
}
```

}

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

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 3OUTPUT2 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

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:

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:

Input:

< hidden >

Expected Output:

< hidden >

Output:

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

92
94
96
98
100

Compilation Status: Passed

Execution Time:

0.001s

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

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

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:

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:

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

Sample Input:

20

Sample Output:

173.21

Completion Status: Completed

Concepts Included:

absolute beginner

Language Used: 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);
}
}
```


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

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:

0.001s

32. 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: 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:

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:

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;
```

```
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:

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>
```

```
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 >

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 ai > aj > ak where ax is the power of man standing at position x. The

Roman army has one special trait — powers of all the people in it are distinct.Help Shapur find out how weak the Romans are.The first line of input contains a single number n, the number of men in Roman army. Next line contains n different positive integers powe of men in the Roman army.Input Size : N<=100000
Example:INPUT33 2 1 OUTPUT1

Completion Status: Not Completed

Concepts Included:

array

mathematics

companies

basics

Language Used: 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]);


}
```


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

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