Given two numbers, write a C program to swap the given numbers.

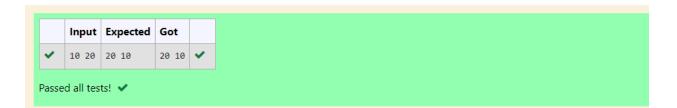
# For example:

Input	Result
10 20	20 10

# Answer: (penalty regime: 0 %)

```
#include<stdio.h>
int main()

int a,b,temp;
scanf("%d %d",&a,&b);
temp=a;
a=b;
b=temp;
printf("%d %d",a,b);
}
```



Write a C program to find the eligibility of admission for a professional course based on the following criteria:
Marks in Maths >= 65
Marks in Physics >= 55
Marks in Chemistry >= 50
Or
Total in all three subjects >= 180
Sample Test Cases
Test Case 1
Input 70 60 80
Output
The candidate is eligible
Test Case 2
Input
50 80 80
Output
The candidate is eligible
Test Case 3
Input
50 60 40
Output
The candidate is not eligible

```
#include<stdio.h>
2 in
3 + {
   int main()
       int a,b,c;
scanf("%d %d %d",&a,&b,&c);
4
5
6
7
       if(a+b+c >=180)
8 +
       printf("The candidate is eligible");
}
9
10
       else
11
       {
}
12 +
13
          printf("The candidate is not eligible");
14
15
16 }
```

Input		Expected	Got	
<b>~</b>	70 60 80	The candidate is eligible	The candidate is eligible	~
~	50 80 80	The candidate is eligible	The candidate is eligible	~

Passed all tests! 🗸

#### Correct

Mark 1.00 out of 1.00

Malini goes to BestSave hyper market to buy grocery items. BestSave hyper market provides 10% discount on the bill amount B when ever the bill amount B is more than Rs.2000.

The bill amount B is passed as the input to the program. The program must print the final amount A payable by Malini.

The first line denotes the value of B.

Output Format:

The first line contains the value of the final payable amount A.

Example Input/Output 1:

Input:

1900

Output:

1900

Example Input/Output 2:

Input:

3000

Output:

2700

### Answer: (penalty regime: 0 %)

```
int a,b;
scanf("%d",&a);
if(a>2000){
b=a-(0.1*a);
printf("%d",b);
}
                 printf("%d",a);
```

	Input	Expected	Got	
~	1900	1900	1900	~
~	3000	2700	2700	~

Passed all tests! 🗸

Correct

Baba is very kind to beggars and every day Baba donates half of the amount he has when ever a beggar requests him. The money M left in Baba's hand is passed as the input and the number of beggars B who received the aims are passed as the input. The program must print the money Baba had in the beginning of the day.

The first line denotes the value of M.
The second line denotes the value of B.

#### Output Format:

The first line denotes the value of money with Baba in the beginning of the day.

## Example Input/Output:

Input:

400

Baba donated to two beggars. So when he encountered second beggar he had 100°2 = Rs.200 and when he encountered 1st he had 200°2 = Rs.400.

```
int a,b,c,d;

scanf("%d %d",&a,&b);

c-a*b;

d=c*b;

printf("%d",d);
```

	Input	Expected	Got	
~	100	400	400	~
	2			

Passed all tests! 🗸





```
Question 6
Correct
                          Two \ numbers \ M \ and \ N \ are \ passed \ as \ the input. A \ number \ X \ is \ also \ passed \ as \ the input. The \ program \ must \ print \ the \ numbers \ divisible \ by \ X \ from \ N \ to \ M \ (inclusive \ of \ M \ and \ N).
Mark 1.00 out
of 1.00
                         Input Format:
                         The first line denotes the value of M The second line denotes the value of N The third line denotes the value of X
P Flag question
                         Numbers divisible by X from N to M, with each number separated by a space.
                          Boundary Conditions:
                         1 <= M <= 9999999
M < N <= 9999999
1 <= X <= 9999
                          Example Input/Output 1:
                         Input:
2
40
7
                         Output:
35 28 21 14 7
                         Example Input/Output 2:
                         Input:
66
121
11
                         Output:
121 110 99 88 77 66
                          Answer: (penalty regime: 0 %)
```

Г		Input	Ex	pec	tec	i		Go	t				
•	•	2 40 7	35	28	21	14	7	35	28	21	14	7	*

Passed all tests! 🗸

Correct

Question **7**Correct

Mark 1.00 out of 1.00

F Flag question

Write a C program to find the quotient and reminder of given integers.

# For example:

Input	Result
12	4
3	0

# Answer: (penalty regime: 0 %)

```
#include<stdio.h>
int main()

int a,b,c,d;
scanf("%d %d",&a,&b);
c=a/b;
d=a%b;

printf("%d\n",c);
printf("%d",d);
}
```

	Input	Expected	Got	
•	12	4	4	~
	3	0	0	

Passed all tests! 🗸

#### Correct

Question **8**Correct
Mark 1.00 out

of 1.00

F Flag question

Write a C program to find the biggest among the given 3 integers?

## For example:

```
Input Result
10 20 30 30
```

## Answer: (penalty regime: 0 %)

```
1 #include<stdio.h>
2 int main()
3 * {
4
        int a,b,c;
scanf("%d %d %d",&a,&b,&c);
if(a>b && a>c)
 6
7,
        {
    printf("%d",a);
9
10
        else if(b>a &&b>c)
11 +
12
            printf("%d",b);
13
        else
{
14
15 ,
             printf("%d",c);
16
17
18
19 }
```

	Input	Expected	Got	
~	10 20 30	30	30	~

Passed all tests! 🗸

Correct

Question 9 Correct Mark 1.00 out of 1.00 F Flag question

Write a C program to find whether the given integer is odd or even?

### For example:

Input	Result
12	Even
11	Odd

Answer: (penalty regime: 0 %)

```
#include<stdio.h>
int main()
}

 4
         int a;
scanf("%d",&a);
if(a%2==0)
 6
         {
    printf("Even");
 7,
        }
else
10
11 ,
         {
   printf("Odd");
}
13
14 }
```

	Input	Expected	Got	
~	12	Even	Even	~
~	11	Odd	Odd	~

Passed all tests! 🗸

Question 10

Correct

Mark 1.00 out of 1.00

F Flag question

Write a C program to find the factorial of given n.

## For example:

Input	Result
5	120

Answer: (penalty regime: 0 %)

```
1 #include<stdio.h>
2 int main()
3 {
4     int a,i,fact=1;
5     scanf("%d",&a);
6     for(i=1;i<=a;i++)
7     {
8         fact*=i;
9     }
10     printf("%d",fact);
}</pre>
```

```
| Input | Expected | Got | ✓ | 5 | 120 | 120 | ✓
```

Passed all tests! 🗸

Correct

Question 11
Correct
Mark 1.00 out of 1.00

F Flag question

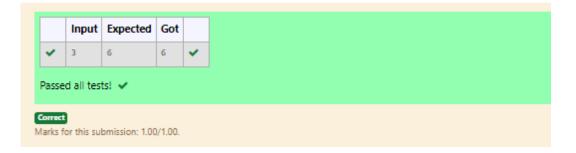
Write a C program to find the sum first N natural numbers.

# For example:

Input	Result	
3	6	

Answer: (penalty regime: 0 %)

```
#include<stdio.h>
int main()
{
    int a,i,sum=0;
    scanf("%d",&a);
    for(i=0;i<=a;i++)
    {
        sum+=i;
    }
    printf("%d",sum);
}</pre>
```



Question 12 Correct Mark 1.00 out

of 1.00

Flag question

Write a C program to find the Nth term in the fibonacci series.

## For example:

Input	Result
0	0
1	1
4	3

Answer: (penalty regime: 0 %)

```
1 #include<stdio.h>
2 int main()
3 * {
        int a,fx;
scanf("%d",&a);
if(a==0){
4
 5
 6 +
        printf("0");
 7
 8
        else if(a==1){
printf("1");
9 +
10
11
12
        else{
13 ,
            int hx=0;
14
15
             int dx=1;
             int cx;
16
             fx=2;
while(fx<=a){</pre>
17
18 +
19
               cx=dx+hx;
20
                 hx=dx;
                 dx=cx;
21
22
                 fx+=1;
23
24
             printf("%d",cx);
25
26 }
```

	Input	Expected	Got	
~	0	0	0	•
~	1	1	1	~
~	4	3	3	~

Passed all tests! 🗸

Correct

Question 13
Correct
Mark 1.00 out of 1.00

F Flag question

Write a C program to find the power of integers.

input:

a b

output:

a^b value

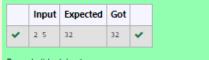
# For example:

Input	Result	
2 5	32	

Answer: (penalty regime: 0 %)

```
#includecstdio.h>
#includecmath.h>
int main()

int a,b,c;
    scanf("%d %d",&a,&b);
    c=pow(a,b);
    printf("%d",c);
}
```



Passed all tests! 🗸

Correct

Question 14
Correct
Mark 1.00 out of 1.00

P Flag question

Write a C program to find Whether the given integer is prime or not.

## For example:

Input	Result	
7	Prime	
9	No Prime	

Answer: (penalty regime: 0 %)

```
1 #include<stdio.h>
 2 int main()
3 + {
int n,i,m=0,flag=0;
scanf("%d",&n);
m=n/2;
for(i=2;i<=m;i++)</pre>
 8 + {
          if(n%i==0)
9
10 +
          printf("No Prime");
11
          flag=1;
break;
12
13
14
15
16 if(flag==0)
    printf("Prime");
17
     return 0;
18
19
20
```

	Input	Expected	Got	
~	7	Prime	Prime	*
~	9	No Prime	No Prime	~

Passed all tests! 🗸

Correct

Question 15 Correct Mark 1.00 out of 1.00

P Flag question

Write a C program to find the reverse of the given integer?

Answer: (penalty regime: 0 %)

```
#include<stdio.h>
int main()
3 {
         int a,reverse=0,rem;
scanf("%d",&a);
while(a!=0)
 4
 5
 6
 7 ,
 8
               rem=a%10;
 9
               reverse=reverse*10+rem;
10
               a/=10;
11
12
          printf("%d",reverse);
13
14 }
```

	Input	Expected	Got	
~	123	321	321	~

Passed all tests! 🗸

Correct