# GE23131-Programming Using C-2024

Quiz navigation

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| **Status** | Finished |
| **Started** | Monday, 23 December 2024, 5:33 PM |
| **Completed** | Monday, 21 October 2024, 11:32 AM |
| **Duration** | 63 days 6 hours |

Question **1**

Correct

Marked out of 3.00

Flag question

Many people think about their height in feet and inches, even in some countries that primarily use the metric system. Write a program that reads a number of feet from the user, followed by a number of inches. Once these values are read, your program should compute and display the equivalent number of centimeters.

Hint:

One foot is 12 inches.

One inch is 2.54 centimeters.

Input Format

First line,read the number of feet.

Second line, read the number of inches.

Output Format

In one line print the height in centimeters.

Note: All of the values should be displayed using two decimal places.

Sample Input 1

5 6

Sample Output 1

167.64

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

```c
#include<stdio.h>
int main()
{
int a,b;
scanf("%d\n",&a);
scanf("%d\n",&b);
printf("%.2f\n",(a*12*2.54+b*2.54));
return 0;
}
```

| | Input | Expected | Got | |
|---|---|---|---|---|
| ✓ | 5<br>6 | 167.64 | 167.64 | ✓ |

Passed all tests! ✓

Question **2**

Correct

Marked out of 5.00

Flag question

Create a program that reads two integers, a and b, from the user. Your program should compute and display: • The sum of a and b • The difference when b is subtracted from a • The product of a and b • The quotient when a is divided by b • The remainder when a is divided by b

Input Format

First line, read the first number.

Second line, read the second number.

Output Format

First line, print the sum of a and b

Second line, print the difference when b is subtracted from a

Third line, print the product of a and b

Fourth line, print the quotient when a is divided by b

Fifth line, print the remainder when a is divided by b

Sample

Input 1 100 6

Sample Output

106 94 600 16 4

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

```c
#include<stdio.h>
int main()
{
    int a, b;
    scanf("%d %d",&a,&b);
    printf("%d\n%d\n%d\n%d\n%d\n",a+b,a-b,a*b,a/b,a%b);
    return 0;
}
```

Third line, print Total: total

Note: All of the values should be displayed using two decimal places.

Sample Input 1

10

Sample Output 1

Regular price: 34.90

Discount: 20.94

Total: 13.96

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

```c
#include<stdio.h>
int main()
{
    const float LOAF_PRICE=3.49;
    const float DISCOUNT_RATE=0.60;
    int num_loaves;
    float regular_price,discount,total_price;
    scanf("%d",&num_loaves);
    regular_price=LOAF_PRICE*num_loaves;
    discount=regular_price*DISCOUNT_RATE;
    total_price=regular_price-discount;
    printf("Regular price: %.2f\n",regular_price);
    printf("Discount: %.2f\n",discount);
    printf("Total: %.2f\n",total_price);
    return 0;
```

```
12      printf("Regular price: %.2f\n",regular_price);
13      printf("Discount: %.2f\n",discount);
14      printf("Total: %.2f\n",total_price);
15      return 0;
16  }
```

| | Input | Expected | Got | |
|---|---|---|---|---|
| ✓ | 10 | Regular price: 34.90<br>Discount: 20.94<br>Total: 13.96 | Regular price: 34.90<br>Discount: 20.94<br>Total: 13.96 | ✓ |

Passed all tests! ✓

Finish review

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| **Status** | Finished |
| **Started** | Monday, 23 December 2024, 5:33 PM |
| **Completed** | Thursday, 24 October 2024, 9:24 AM |
| **Duration** | 60 days 8 hours |

Question **1**

Correct

Marked out of 3.00

Flag question

Goki recently had a breakup, so he wants to have some more friends in his life. Goki has N people who he can be friends with, so he decides to choose among them according to their skills set Yi(1<=i<=n). He wants atleast X skills in his friends. Help Goki find his friends. _____

INPUT

First line contains a single integer X - denoting the minimum skill required to be Goki's friend. Next line contains one integer Y - denoting the skill of the person

. _____

OUTPUT

Print if he can be friend with Goki. 'YES' (without quotes) if he can be friends with Goki else 'NO' (without quotes).

---

CONSTRAINTS

1<=N<=1000000

1<=X,Y<=1000000

SAMPLE INPUT 1

100 110

SAMPLE OUTPUT 1

YES

SAMPLE INPUT 2

100 90

SAMPLE OUTPUT 2

NO

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

```c
#include<stdio.h>
int main()
{
int x,y;
scanf("%d%d",&x,&y);
if(x<=y)
{
printf("YES");
}
```

```
}
else
{
printf("NO");
}
return 0;
}
```

| | Input | Expected | Got | |
|---|---|---|---|---|
| ✓ | 100<br>110 | YES | YES | ✓ |
| ✓ | 100<br>90 | NO | NO | ✓ |

Passed all tests! ✓

1

Explanation Case 1: The lonely board member shakes no hands, hence 0. Case 2: There are 2 board members, 1 handshake takes place.

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

```c
#include<stdio.h>
int main()
{
    int N;
    scanf("%d",&N);
    if (N<=1)
    {
        printf("0");
    }
    else
    {
        printf("%d",N*(N-1)/2);
    }
    return 0;
}
```

| | Input | Expected | Got | |
|---|---|---|---|---|
| ✓ | 1 | 0 | 0 | ✓ |
| ✓ | 2 | 1 | 1 | ✓ |

Passed all tests! ✓

Question **3**

Correct

Marked out of 7.00

Flag question

In our school days, all of us have enjoyed the Games period. Raghav loves to play cricket and is Captain of his team. He always wanted to win all cricket matches. But only one last Games period is left in school now. After that he will pass out from school. So, this match is very important to him. He does not want to lose it. So he has done a lot of planning to make sure his teams wins. He is worried about only one opponent - Jatin, who is very good batsman. Raghav has figured out 3 types of bowling techniques, that could be most beneficial for dismissing Jatin. He has given points to each of the 3 techniques. You need to tell him which is the maximum point value, so that Raghav can select best technique. 3 numbers are given in input. Output the maximum of these numbers.

Input:

Three space separated integers.

Output:

Maximum integer value

SAMPLE INPUT

SAMPLE INPUT

8 6 1

SAMPLE OUTPUT

8

Explanation Out of given numbers, 8 is maximum.

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

```c
#include<stdio.h>
int main()
{
    int a,b,c;
    scanf("%d %d %d",&a,&b,&c);
    int max=a;
    if (b>a)
    {
        printf("%d",b);
    }
    else if (c>a)
     {
        printf("%d",c);
    }
    else
    {
        printf("%d",max);
    }
    return 0;
```

```
    }
    else if (c>a)
     {
        printf("%d",c);
    }
    else
    {
        printf("%d",max);
    }
    return 0;
}
```

| | Input | Expected | Got | |
|---|---|---|---|---|
| ✓ | 81 26 15 | 81 | 81 | ✓ |

Passed all tests! ✓

Finish review