

## Week-02-Operators and Expressions, Managing Input and Output Operations

### Week-02-01-Practice Session Coding

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

### Source Code

Answer: (penalty regime: 0 %)

```
1 #include<stdio.h>
2
3 int main()
4 {
5     int x,y;
6     float n1,n2,sum;
7     scanf("%d %d\n",&x,&y);
8     n1 = x*12*2.54;
9     n2 = y*2.54;
10    sum = n1+n2;
11    printf("%.2f",sum);
12    return 0;
13 }
```

## Result

	Input	Expected	Got	
✓	5 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

## Source Code

Answer: (penalty regime: 0 %)

```
1 #include <stdio.h>
2
3 int main()
4 {
5     int x,y;
6     scanf("%d\n%d",&x,&y);
7     printf("%d\n%d\n%d\n%d\n%d",x+y,x-y,x*y,x/y,x%y);
8     return 0;
9 }
```

Result

	Input	Expected	Got	
✓	100	106	106	✓
	6	94	94	
		600	600	
		16	16	
		4	4	

Passed all tests! ✓