SHERINKATHERINA D 2024-CSE S2

240701495

Week-02-Operators and Expressions, Managing Input and Output Operation

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.

Source Code

Answer: (penalty regime: 0 %)

```c
#include<stdio.h>
int main()
{
    int foot,inches;
    scanf("%d",&foot);
    scanf("%d",&inches);
    printf("%f",foot*12*2.54+inches*2.54);
    return 0;

}
```

Result

	Input	Expected	Got	
✓	5 6	167.64	167.640000	✓

Passed all tests! ✓

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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.

Source Code

Answer: (penalty regime: 0 %)

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

    return 0;

}
```

Result

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

Passed all tests! ✓

Question 3
Correct
Marked out of 7.00
Flag question

A bakery sells loaves of bread for $3.49 each. Day old bread is discounted by 60 percent. Write a program that begins by reading the number of loaves of day old bread being purchased from the user. Then your program should display the regular price for the bread, the discount because it is a day old, and the total price. Each of these amounts should be displayed on its own line with an appropriate label. All of the values should be displayed using two decimal places.

Input Format

Read the number of day old loaves.

Source Code

Answer: (penalty regime: 0 %)

```c
#include<stdio.h>
int main ()
{
    int n;
    scanf("%d",&n);
    printf("Regular price: %0.2f\n",n*3.49);
    printf("Discount: %0.2f\n",0.6*n*3.49);
    printf("Total: %0.2f",0.4*n*3.49);
    return 0;
}
```

Result

	Input	Expected	Got	
✓	10	Regular price: 34.90 Discount: 20.94 Total: 13.96	Regular price: 34.90 Discount: 20.94 Total: 13.96	✓

Passed all tests! ✓