

Computer Science

1. Basics

Write a program that does the following:

- Declare two integer variables called `num1` and `num2`.
- Use `int.Parse(Console.ReadLine())` to assign two values entered by the user to the variables (don't forget to use `Console.WriteLine` ask the user to enter these values).
- Use `Console.WriteLine` to output the sum of the two variables to the Console
- Use `Console.WriteLine` again to output the result of the variables multiplied together to the Console.
- Add the two variables together and square the result. Output the final result to the Console.

2. Sandra's slab calculator

Sandra sells paving slabs. Customers come in with plans for their patio and ask how many slabs they will need and how much it will cost. Sandra needs a program to help her work out the costs.

```
Enter number of slabs across:
1
Enter number of slabs deep:
2
Enter price of a slab:
£3.00
Total price is: £6
```

Inputs will be

- the number of slabs across
- the number of slabs deep
- the cost of each slab.

What you need to do:

Write a program to help Sandra with her costs.

Extension: use `String.Format("{0:0.00}", 123.4567)` to make the answer always 2 decimal places.

How to test it:

Run the program and enter in the following data:

- Slabs wide: 4;
- slabs deep: 5 ;
- cost per slab: £2.99