

MODULE 1: INTRODUCTION TO PROGRAMMING IN C#

CORE EXERCISES

Tutorial 1

1.1 Design and write a simple multiplication program that will allow the user to enter two whole numbers and the program will then multiply these numbers together and output the result.

1.2 Design and write a simple program to enable the user to enter the length and width of a rectangle and then calculate its area (length x width) and its perimeter ($2 \times \text{length} + 2 \times \text{width}$). Output the results with suitable text.

1.3 Create a program that will allow the user to enter a string of at least 5 characters and output the following information: total number of characters in the string, the first character, the 3rd character, and the final character.

1.4 Produce a program that will create and initialize an array of chars containing the letters 'H', 'e', 'l', 'l', 'o' and then output these individually to create a single word on the screen.