

C# Exercise 3 - Logic and Loops

1. Making use of if/else/else if statements, write some code that will always print out the largest of any 3 numbers e.g.,
 - a. Create 3 integer variables and give them any values
 - b. Write some logic to work out which is the largest of the 3 numbers
 - c. Print all 3 numbers to the console
 - d. Print "The largest number is " followed by the largest number

2. Check your logic is working by using the following numbers and expected output:
 - a. 1, 5, 10 – answer should be 10
 - b. -4, 50, 49 – answer should be 50
 - c. -1, -2, -3 – answer should be -1
 - d. 2, 2, 2 – answer should be 2

3. Write some code that will print the numbers from 1 to 100 (inclusive). Modify the code to follow these rules:
 - a. If the number is divisible by 3, then print "Fizz" instead of that number
 - b. If the number is divisible by 5, then print "Buzz" instead of that number
 - c. If the number is divisible by 3 AND 5, then print "FizzBuzz" instead of that number
 - d. If the number is not divisible by 3 or 5, then print the number

(Hint: if $a \% b = 0$, then a is divisible by b. Otherwise, a is not divisible by b)