**Assignment 8 – Arrays**

Submit to MUOnline as a compressed (.zip) file containing your code project.

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| 1. | Write a void function Randomize that takes an array and its size as parameters and fills the array with random numbers between 0 and 100. Output the array after calling Randomize() in main(). | 25% |
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| 2. | Write a function that returns the Index of the largest value in an array. It should take the array itself and its size as parameters. Test it with a randomized array you created in problem 1. | 25% |
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| 3. | Create an array of 10 student’s names and a parallel array of 10 grades. A parallel array just means they have the same size and that a value in one index of one array corresponds to the value of the same index in the other array; names[0] is the name of the student with grade grades[0]. Using your function from problem 2, output the Name of the student with the highest grade. For this assignment you may hardcode the names/grades rather than having the user type in all 20 values. | 50% |
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| 5. | Penalty: If you have no comments, I’ll take off 10%. At least have your names/dates/who assisted you if you studied with or asked someone for help, and a comment over each function describing it. Ideally you would also have comments explaining any code that isn’t self-explanatory. | -10%  Penalty |