Lab Task 5 – Arrays

1. Write an application that calculates the product of a series of integers that are passed to method product using a variable-length argument list. Test your method with several calls, each with a different number of arguments.

2. Write an application that uses a foreach statement to sum the double values passed by the command-line arguments.

3. Write a program to find the sum of two matrices.

4. Write a program to multiply two matrices.

5. (Sales Commissions) Use a one-dimensional array to solve the following **problem: A** company pays its salespeople on a commission basis. The salespeople receive $200 per week plus 9% of their gross sales for that week. For example, a salesperson who grosses $5000 in sales in a week receives $200 plus 9% of $5000, or a total of $650.

Write an application (using an array of counters) that determines how many of the salespeople earned salaries in each of the following ranges (assume that each salesperson's salary is truncated to an integer amount):

a) $200–299
b) $300–399
c) $400–499
d) $500–599
e) $600–699
f) $700–799
g) $800–899
h) $900–999
i) $1000 and over

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Enter sales amount (negative to end): 2000
Enter sales amount (negative to end): 5000
Enter sales amount (negative to end): 4595
Enter sales amount (negative to end): 8250
Enter sales amount (negative to end): 1000
Enter sales amount (negative to end): 35060
Enter sales amount (negative to end): -1
Range              Number
$200-$299          1
$300-$399          1
$400-$499          0
$500-$599          0
$600-$699          2
$700-$799          0
$800-$899          0
$900-$999          1
$1000 and over     1
```