The University of Jordan

Introduction to Programming

**Assignment 10**

1. Write a function createArithmeticSeq that prompts the user to input two numbers, first and diff. The function then creates a one-dimensional array of 16 elements ordered in an arithmetic sequence. It also outputs the arithmetic sequence. For example, if first = 21 and diff = 5, the arithmetic sequence is: 21 26 31 36 41 46 51 56 61 66 71 76 81 86 91 96
2. Write a function matricize that takes a one-dimensional array of 16 elements and a two-dimensional array of four rows and four columns as parameters. (Other values, such as the sizes of the arrays, must also be passed as parameters.) It puts the elements of the one-dimensional array into the two-dimensional array. For example, if A is the onedimensional array created in part a and B is a two-dimensional array, then after putting the elements of A into B,thearrayB is:

21 26 31 36

41 46 51 56

61 66 71 76

81 86 91 96