# Program 10 

## More Arrays

Name:
Time spent: $\qquad$ $\min$

Create a function to multiply two 2-d arrays. The arrays do not have to be the same size but they must conform to the array multiplication requirements attached. Appropriate use of functions is required (4?)

Test using the arrays in the example.

## Provide flow diagram, code, and results to prove each function

```
|Programming_Project.exe[C/C++ Application] [pid: 19] 
```

Note: test for valid dimensions

```
Please enter your array dimensions, R1, C1, R2, C2: }
Your dimensions are not allowed: C1 must equal R2
Rlease enter your array dimensions, R1, C1, R2, C2
Enter valuec for array 1
Please enter row 0 of the array: 1 2
Please enter row 1 of the array: 3 4
Please enter row 2 of the array: 5 6
Enter values for array 2
Please enter row 0 of the array: 1 2 3 4 5
Please enter row 1 of the array: 6 7 8 9 10
array 1
1 2
3 4
5 6
array 2
\begin{tabular}{lllll}
1 & 2 & 3 & 4 & 5 \\
6 & 7 & 8 & 9 & 10 \\
array & 1 & X array & 2 & \\
13 & 16 & 19 & 22 & 25 \\
27 & 34 & 41 & 48 & 55 \\
41 & 52 & 63 & 74 & 85
\end{tabular}
Please enter your array dimensions, R1, C1, R2, C2:
```

Matrix (array) multiplication example
\# cols of matrix 1 must equal the \# rows of matrix 2


Src: towarddatascience.com

