## **CS 2213 Advanced Programming Recitation - Exercise**

## Two-D Arrays and functions:

Write a matrix multiplication program.

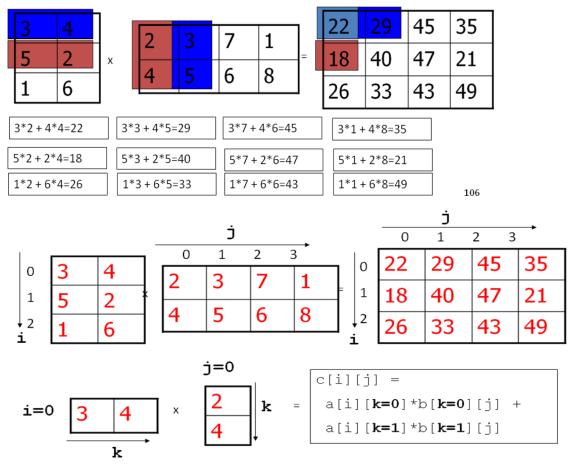
First declare double a[3][2], b[2][4], c[3][4]. Then write two functions to initialize a and b arrays with random numbers between 10 and 20. Then write another function that takes a, b, c as parameters and multiplies a and b, and save the final results in c.

Finally write/call another function to print the elements of c.

## Matrix multiplication

double a[3][2], b[2][4], c[3][4];

Find c = a \* b;



You must submit your work using Blackboard Learn and respect the following rules:

- 1) All assignments must be submitted as either a zip or tar archive file unless it is a single pdf file.
- 2) Assignments must include all source code.
- 3) Assignments must include an output.txt file which demonstrates the final test output run by the student.
- 4) If your assignment does not run/compile, the output.txt file should include an explanation of what was accomplished, what the error message was that prevented the student from finishing the assignment and what the student BELIEVES to be the underlying cause of the error.