Matrix multiplication

**Input:** Two integer matrices, A and B (indexes start at 0,0 for rows and columns)

**Output:** Integer matrix C denoting the result of matrix multiplication between A and B.

**Assumptions:** Both matrices are square (have the same number of rows and columns).

**Algorithm:**

1. initialize integer matrix C with all values set to 0
2. current = 0
3. for every row i in A:
   1. for every column j in B:
      1. for every column k in A (also every row k in B):
         1. C[i][j] = C[i][j] + A[i][k] \* B[k][j]
         2. k = k + 1
      2. j = j + 1
   2. i = i + 1
4. return C