

output.txt

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1Matrix Multiplier created.
2Entered main() method.
3Entered readInputFile() method.
4Multiplying Matrix of order 2
5Matrix A = [[2, 1], [1, 5]]
6Matrix B = [[6, 7], [4, 3]]
7Solution = [[16, 17], [26, 22]]
8Total Number of operations = 8
9Multiplying Matrix of order 3
10Matrix A = [[2, 1, 3], [1, 5, 3], [6, 7, 3]]
11Matrix B = [[4, 3, 3], [6, 7, 3], [4, 3, 3]]
12Solution = [[26, 22, 18], [46, 47, 27], [78, 76, 48]]
13Total Number of operations = 27
14Multiplying Matrix of order 4
15Matrix A = [[3, 2, 1, 4], [-1, 2, 0, 1], [2, 3, -1, -2], [5, 1, 1, 0]]
16Matrix B = [[-1, 2, -1, 0], [3, -1, 0, 2], [-4, 0, -3, 1], [0, -2, 1, 2]]
17Solution = [[-1, -4, -2, 13], [7, -6, 2, 6], [11, 5, -1, 1], [-6, 9, -8, 3]]
18Total Number of operations = 64
19Multiplying Matrix of order 8
20Matrix A = [[1, 0, 1, 2, 0, -1, -1, -1], [-1, 1, -1, 1, 2, 0, 0, 3], [1, -1, 2, -3, -1, 1, 1, 0], [0, 2, 3, 2, 1, 0, -1, -2], [2, 3, -1, 0, -1, 0, -1, 0], [1, 2, 2, 1, 0, 1, 1, 2], [3, -1, 0, 2, 2, 2, 2, 1], [2, -2, 1, -3, 3, 0, 1, 2]]
21Matrix B = [[1, 0, 1, 2, 0, -1, -1, -1], [-1, 1, -1, 1, 2, 0, 0, 3], [1, -1, 2, -3, -1, 1, 1, 0], [0, 2, 3, 2, 1, 0, -1, -2], [2, 3, -1, 0, -1, 0, -1, 0], [1, 2, 2, 1, 0, 1, 1, 2], [3, -1, 0, 2, 2, 2, 2, 1], [2, -2, 1, -3, 3, 0, 1, 2]]
22Solution = [[-4, 4, 6, 3, -4, -3, -6, -10], [7, 4, 0, -5, 11, 0, 0, 8], [6, -11, 0, -8, -4, 4, 8, 5], [-4, 11, 7, 1, -6, 1, -4, -3], [-7, 2, -2, 8, 6, -5, -4, 6], [9, -1, 10, -3, 11, 4, 5, 10], [18, 9, 13, 12, 5, 3, 0, -2], [18, -5, -4, -11, -3, 1, 3, 3]]
23Total Number of operations = 512
24
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