

project ▾

Scratches

- armstrong non recursive.py
- armstrong recursive.py
- Binary search.py
- copy the program non recursive.py
- copy the program recursive.py
- fact non recursive.py
- fact recursive.py
- fib non recursive.py
- fib recursive.py
- gcd non recursive.py
- gcd recursive.py
- knapsack.py
- lcm non recursive.py
- lcm recursive.py
- max and min.py
- max non recursive.py
- max recursive.py
- mergesort.py
- MST.py
- multiplication non recursive.py
- multiplication recursive.py**
- palindrome non recursive.py
- palindrome recursive.py
- prime or not non recursive.py
- prime or not recursive.py
- stressens multiplication.py

prime or not recursive.py × lcm non recursive.py × lcm recursive.py × multiplication non recursive.py × **multiplication recursive.py** ×

```
1 MAX = 100
2 i = 0
3 j = 0
4 k = 0
5 def multiplyMatrixRec(row1, col1, A,
6                       row2, col2, B, C):
7     global i
8     global j
9     global k
10    if (i >= row1):
11        return
12    if (j < col2):
13        if (k < col1):
14            C[i][j] += A[i][k] * B[k][j]
15            k += 1
16            multiplyMatrixRec(row1, col1, A,
17                              row2, col2, B, C)
18        k = 0
19        j += 1
20        multiplyMatrixRec(row1, col1, A,
21                          row2, col2, B, C)
22    j = 0
23    i += 1
24    multiplyMatrixRec(row1, col1, A,
```

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```
30 C = [[0 for i in range(MAX)]
31     for i in range(MAX)]
32 multiplyMatrixRec(row1, col1, A,
33                 row2, col2, B, C)
34 for i in range(row1):
35     for j in range(col2):
36         print(C[i][j], end=" ")
37     print()
38 A = [[1, 2, 3],
39      [4, 5, 6],
40      [7, 8, 9]]
41 B = [[1, 2, 3],
42      [4, 5, 6],
43      [7, 8, 9]]
44 row1 = 3
45 col1 = 3
46 row2 = 3
47 col2 = 3
48 multiplyMatrix(row1, col1, A, row2, col2, B)
```

Version Control ▶ Run Python Packages TODO Python Console Problems Terminal Services

Run: multiplication recursive

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C:\Users\kativ\PycharmProjects\pythonProject2\venv\Scripts\python.exe "C:/Users/kativ/AppData/Roaming/JetBrains/PyCharmCE2022.1/scratches/multipli

30 36 42

66 81 96

102 126 150

Process finished with exit code 0

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