Code for the problem:

import numpy as np

A = np.array([[25, 30, 45, 60], [43, 44, 12, 32]])

B = np.array([[12, 21, 32], [42,34, 53], [78,19, 90], [93,37,89]])

def multiply(A:np.array, B:np.array):

    if np.shape(A)[1] != np.shape(B)[0]:

        return "The matrices are not able to be multiplied"

    C = np.zeros([np.shape(A)[0], np.shape(B)[1]])

    for i in range(np.shape(A)[0]):

        for j in range(np.shape(B)[1]):

            for k in range(np.shape(A)[1]):

                C[i][j] += A[i][k]\*B[k][j]

    return C

print(multiply(A,B))

print(multiply(B, A))

Output:

