import numpy

# assigning matrices

x = numpy.array([[1, 2], [3, 4]])

y = numpy.array([[3, 4], [4, 8]])

# addition of two matrices

print("Addition of two matrices:")

print(numpy.add(x, y))

# subtraction of two matrices

print("Subtraction of two matrices:")

print(numpy.subtract(x, y))

# multiplication of two matrices

print("Multiplication of two matrices:")

print(numpy.multiply(x, y))

# transpose of matrix x

print("Transpose of matrix x:")

print(x.T)

# transpose of matrix y

print("Transpose of matrix y:")

print(y.T)