import numpy as np

a = np.random.randint(0, 21, (3, 3))

b = np.random.randint(0, 21, (3, 3))

add = a + b

mul = a @ b

trans = mul.T

print("Matrix A:\n", a)

print("Matrix B:\n", b)

print("Addition:\n", add)

print("Multiplication:\n", mul)

print("Transpose of Product:\n", trans)