

```
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)
```