**Numpy Assignment**

1. How can you generate a random 3x3 matrix with values between 0 and 1?

2. Describe the difference between np.random.rand and np.random.randn?

3. Write code to increase the dimension of the following array?

[[1, 2, 3, 4]

[5, 6, 7, 8],

[9, 10, 11, 12]]

4. How to transpose the following array in NumPy?

[[1, 2, 3, 4]

[5, 6, 7, 8],

[9, 10, 11, 12]]

5. Consider the following matrix:

Matrix A2 [[1, 2, 3, 4] [5, 6, 7, 8],[9, 10, 11, 12]]

Matrix B2 [[1, 2, 3, 4] [5, 6, 7, 8],[9, 10, 11, 12]]