Numpy Assignment

1. Write a Python program to create a vector with values ranging from 10 to 49
2. Write a Python program to reverse a vector (first element becomes last)
3. Write a Python program to create a 3x3 matrix with values ranging from 0 to 8
4. Write a Python program to find indices of non-zero elements from [1,2,0,0,4,0]
5. Write a Python program to create a 3x3x3 array with random values
6. Write a Python program to create a 10x10 array with random values and find the minimum and maximum values
7. Write a Python program to create a 5x5 matrix with row values ranging from 0 to 4
8. Write a Python program to find the nearest value from a given value in an array.
9. Write a Python program to find whether two random arrays A and B are equal.
10. Consider the vector [1, 2, 3, 4, 5], write a Python program to build a new vector with three consecutive zeros interleaved between each value.
11. Write a Python program to find the most frequent value in an array.