

Questions,25 Jan,2022

1. Write a Python program to calculate the hypotenuse of a right angled triangle.

2. Write a Python program to convert the distance (in feet) to inches, yards, and miles.

1 foot = 12 inches

1 yard = 3 feet

1 mile = 5,280 feet

3. Write a Python program to convert pressure in kilopascals to pounds per square inch, a millimeter of mercury (mmHg) and atmosphere pressure

4. write a program to Create a 5X2 integer array from a range between 100 to 200 such that the difference between each element is 10?

5. Write a Python program to compute the product of the odd digits in a given number, or 0 if there aren't any.

6. Write a Python program to find the sum of the numbers of a given list among the first k with more than 2 digits.

7. Write a Python program that accepts a string and calculate the number of digits and letters

8. Write a NumPy program to get the indices of the sorted elements of a given array.

9. Write a NumPy program to sort a given complex array using the real part first, then the imaginary part.

10. Write a NumPy program to partition a given array in a specified position and move all the smaller elements values to the left of the partition, and the remaining values to the right, in arbitrary order (based on random choice).