



Numpy, Pandas, and Visualization Interview Questions

- 2. How are Numpy arrays better than lists in Python?
- 3. Print the numpy version and configuration.
- 4. How to convert a float (32 bits) array into an integer (32 bits) in place?
- 5. Create a null vector of size 10 but the fifth value being as 1 using numpy.
- 6. Consider the vector [1, 2, 3, 4, 5], how to build a new vector with 3 consecutive zeros interleaved between each value?
- 7. How to convert data type of an array in Numpy
- 8. What is the difference between Copy and View in Numpy?
- 9. Create a 3*3 identity matrix.
- 10. Consider an array of dimension (5,5,3), how to multiply it by an array with dimension (5,5)
- 11. What are Python Pandas used for?
- 12. What is a Series in Pandas?
- 13. Mention different types of data structure in Pandas?
- 14. Explain Reindexing in Pandas?
- 15. What are the key features of Pandas Library?
- 16. How can we create a copy of the Series in Pandas?
- 17. What is the Time Series in Pandas?
- 18. What is a dataframe in Pandas?
- 19. What are the different ways in which a dataframe can be created in Pandas?
- 20. How can you convert a numpy array into a dataframe of given shape?
- 21. What does a reshape() function return when a NumPy array is passed to it?
- 22. You are given a list of integers, X. Write a program to perform the following tasks:
 - a) Filter the Even numbers from the Input list X.
 - b) Return the sum of the filtered list.

Sample Input 6 8 5 6 9 8 2

Output 24

- 23. What is the type of the numpy array A shown below? A = np.full((2, 2), 3.1)
- 24. Write a code to get the 1st, 5th, and 8th element of the array shown below.

sample_array = np.array([10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20])

25. Write a output to given code -

ranks = pd.Series([2, 3, 4, 5], index=['tom', 'john', 'sam', 'seny'])

ranks[2]

