Q.1. How to import pandas and check the version?

Q.2. Create a pandas series from each of the items below: a list, numpy and a dictionary

import numpy as np

mylist = list('abcedfghijklmnopqrstuvwxyz')

myarr = np.arange(26)

mydict = dict(zip(mylist, myarr))

Q.3. Convert the series ser into a dataframe with its index as another column on the dataframe.

mylist = list('abcedfghijklmnopqrstuvwxyz')

myarr = np.arange(26)

mydict = dict(zip(mylist, myarr))

ser = pd.Series(mydict)

Q.4. Combine ser1 and ser2 to form a dataframe.

import numpy as np

ser1 = pd.Series(list('abcedfghijklmnopqrstuvwxyz'))

ser2 = pd.Series(np.arange(26))

Q.5. Give a name to the series ser calling it ‘alphabets’.

ser = pd.Series(list('abcedfghijklmnopqrstuvwxyz'))

Q.6. From ser1 remove items present in ser2.

Q.7. Get all items of ser1 and ser2 not common to both.

ser1 = pd.Series([1, 2, 3, 4, 5])

ser2 = pd.Series([4, 5, 6, 7, 8])

Q.8. Compute the minimum, 25th percentile, median, 75th, and maximum of ser.

ser = pd.Series(np.random.normal(10, 5, 25))

Q.9 Calculte the frequency counts of each unique value ser.

ser = pd.Series(np.take(list('abcdefgh'), np.random.randint(8, size=30)))

Q.10. From ser, keep the top 2 most frequent items as it is and replace everything else as ‘Other’.

np.random.RandomState(100)

ser = pd.Series(np.random.randint(1, 5, [12]))