**Pandas Data Series**

**Assignment 1**

1. Write a Pandas program to create and display a one-dimensional array-like object containing an array of data.
2. Write a Pandas program to convert a Panda module Series to Python list. Display the list and it’s type.
3. Write a Python program to add, subtract, multiple and divide two Pandas Series.
4. Write a Python program to get the largest integer smaller or equal to the division of the inputs.
5. Write a Python program to convert a dictionary to a Pandas series.   
   Sample Series:   
   Original dictionary:  
   {'a': 100, 'b': 200, 'c': 300, 'd': 400, 'e': 800}  
   Converted series:  
   a 100  
   b 200  
   c 300  
   d 400  
   e 800  
   dtype: int64
6. Write a Pandas program to convert a NumPy array to a Pandas series.
7. Write a Pandas program to change the data type of given a column or a Series.
8. Write a Pandas program to convert a given Series to an array.
9. Write a Pandas program to sort a given Series.
10. Write a Pandas program to add some data to an existing Series.
11. Write a Pandas program to create the mean and standard deviation of the data of a given Series.