**Practical Mock Practice**

1. Write a function to accept a list and return two numbers. A sum of positive numbers and also a sum of negative number of the input list. Example: Lst=[-1,21,-5,-9,6,-2,9,8,-9] would return 44 and -26 [5 marks]

|  |  |
| --- | --- |
| Task | Signature |
| Correct definition and call |  |
| Demo with input list  Lst=[-1,21,-5,-9,6,-2,9,8,-9] |  |
| Demo with input list  Lst2=[-2,3,-5,7,8,3,9,7,8,-3] |  |

Code:

1. Download Beijing PM2.5 Dataset from UCI website at site [**https://archive.ics.uci.edu/ml/datasets/Beijing+PM2.5+Data#**](https://archive.ics.uci.edu/ml/datasets/Beijing+PM2.5+Data)**.** Perform the follows tasks:

|  |  |
| --- | --- |
| Task | Signature |
| Read in the csv file and show the first 5 rows of data. |  |
| Remove all rows with any NAN, null or missing data. The number of rows after removal =[ ] |  |
| Generate a DateTime Column from existing column and set as index |  |

Code:

1. Based on the process created in **Question 2**, plot a line plot of pm2.5 vs DateTime with the following attribute:

[5 marks]

|  |  |
| --- | --- |
| Attribute | Verification by Tutor |
| Chart Title: ‘Beijing pm2.5 vs Date Time and line graph is red |  |
| Label both axis properly |  |
| Legend Position: Top Left |  |

Code