**Exercise 8**

You have been provided with two .csv files which include a racing car’s Longitudinal Acceleration and Lateral Acceleration for two laps (DataSet1 and DataSet2) of a racing circuit. Based on the aforementioned data, complete the following tasks:

(i) Produce in the same Figure the Traction Circle for both laps (x-axis, Lateral Acceleration and y-axis, Longitudinal Acceleration). Use different colors for the points of Traction Circle of Lap1 and Lap2.

The Figure should contain: Title, x-axis labeling and y-axis labeling; the units of measurement should also be included.

(ii) State briefly in bullet points what information one can extract from the Traction circle or from the comparison of Traction circles. Word limit: 150 words

(iii) Relate your answer to Question (ii) with the Traction Circles produced for Question (i). Word limit: 100 words