

In this programming task, you'll write a simple Python script to read a file and process the data contained in the file.

Throughout the programming aspect of the unit, numerous files will be provided, each requiring a different method of interpretation. As an introduction to the unit, you will be required to write a program that can parse a simple text file of the following format:

<i>Melbourne</i>	<i>Sydney</i>	<i>878</i>	<i>713</i>
<i>Melbourne</i>	<i>Brisbane</i>	<i>-1</i>	<i>1374</i>
<i>Brisbane</i>	<i>Newcastle</i>	<i>780</i>	<i>618</i>

Where each segment of information is delimited by a single space. The columns represent the following information:

1. The city to travel from
2. The city to travel to
3. The actual distance between the cities (-1 indicates direct driving between the cities is not possible)
4. The straight-line distance to the destination

Information about each pair of cities should be read in and parsed and stored in appropriate data structures. In particular, a Python dictionary should be created so that the key is a city name (e.g., *'Melbourne'*) and the value is a list of cities whose information can be extracted from the input text file - e.g., *[('Sydney', 878, 713), ('Brisbane', -1, 1374)]*.