**Elements of Artificial Intelligence – Assignment – I**

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**Sample Input:**

Two vertices and the edge length are space separated. And every edge is on a new line.



Oradea Zerind 71

Oradea Sibiu 151

Zerind Arad 75

Arad Sibiu 140

Note: When a node with two parts in the name comes up, we have used “\_” between the parts of the name.

eg. “Rimnicu Vilcea” will be “Rimnicu\_Vilcea”

**Sample Output:**

Following is the sample output for two Nodes “Arad” and “Bucharest”

