

OSM Project |A1-06

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<https://github.com/thmasker/A1-06>

1 Graph.py - *Task1*

For this task, we found a simple, effective and easy to use library on Python, called [*ElementTree*](#), so after seeing other options like *minidom*, we decided to use it. After that, we created the required *Graph* class, which constructor parses the chosen *.graphml* file, and stores both nodes and edges in two independent variables.

The complex of the three created methods is *adjacentNode*: we go through the inner edges data and store all the specified information about the desired node's adjacents (source node, target node, street name, source-target distance in meters).