** Please read this first **

- Report: AIFA Assignment1.pdf
- Source code [Python3/Jupyter notebook]: Source_code.ipynb
- Installation guide: Installation guide.pdf

1. Please see the report for a complete understanding of the chosen question, our analysis and approach to the question, chosen algorithm and its workings, and finally an example case to demonstrate the code.

2. To give input to the code to find the optimal path for electric vehicles kindly install the relevant packages via the instructions given in the installation guide.

3. Next, edit the first cell to give the desired input to the code particularly:
    a. EV_dict: Edit this dictionary by adding or removing the number of cars along with their specifications and details
    b. city_edge_costs: Edit this dictionary by adding or removing the number of cities. Please mention the edge cost and the adjacent cities for each city. Also, note that the edge costs are non-directional so they will be the same for to and from one city to another.
    For example: V1->V3 = V3->V1

4. Now the cells can be executed sequentially to run the code and get the optimal path for the electric vehicles along with their journey time.