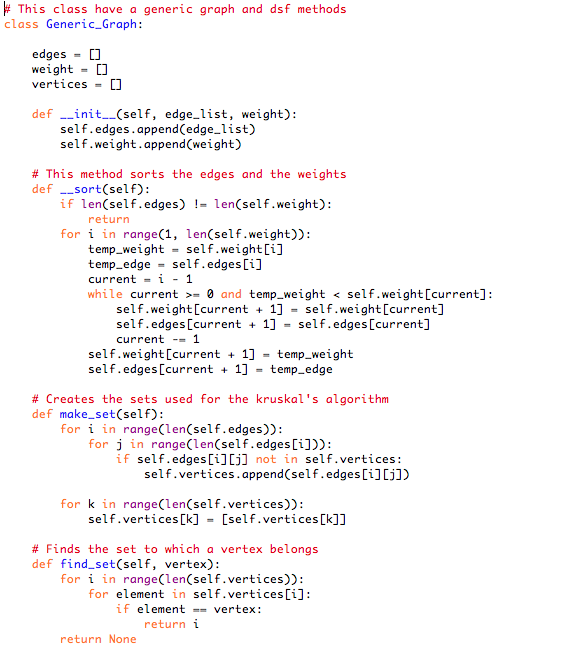
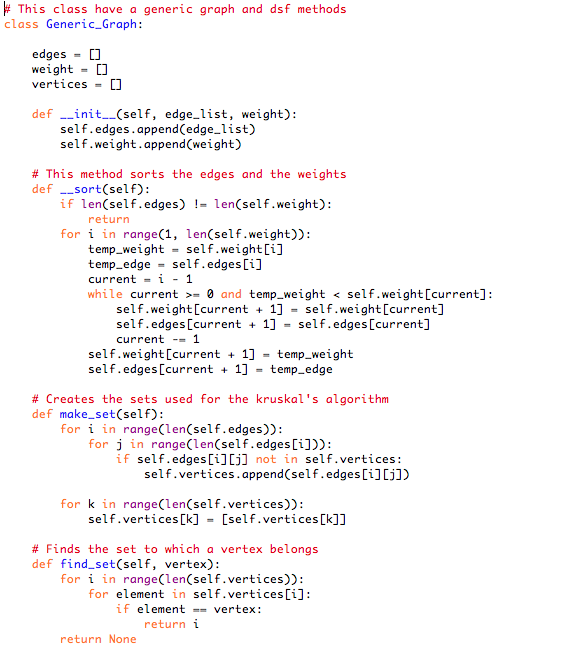
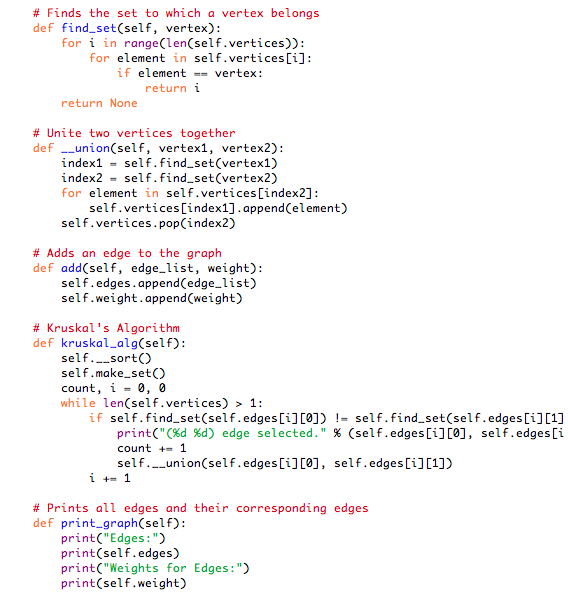
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| Lab 6 Report | Antonio Zavala Anaya  UTEP ID 80622587 |

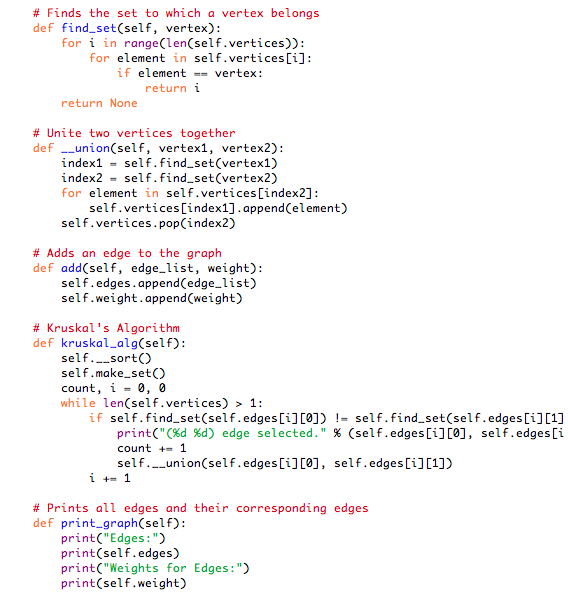
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| --- |
| Project Name: Lab\_6 (GitHub Repo)December 2019 |
| * Purpose: Write a Python 3 program that:   + Implement the following graph algorithms: * Kruskal’s algorithm * Topological sort |
| * Process:   + Implement the Disjoint set forest and graph data structures used by the instructor in class to generate a Kruskal’s algorithm as well as the topological sort.   + Follow the formula for both methods to implement it into a python program.   + After all the methods are made generate test cases to see if the programs are doing what they should following the formulas. |
| * Files used that will be used: * Graph\_al.py * Kruskals\_algorithm.py * Main.py * Queue.py * Topological\_sort.py |

* Lab\_5 program codes
* **Kruskal’s Algorithm**

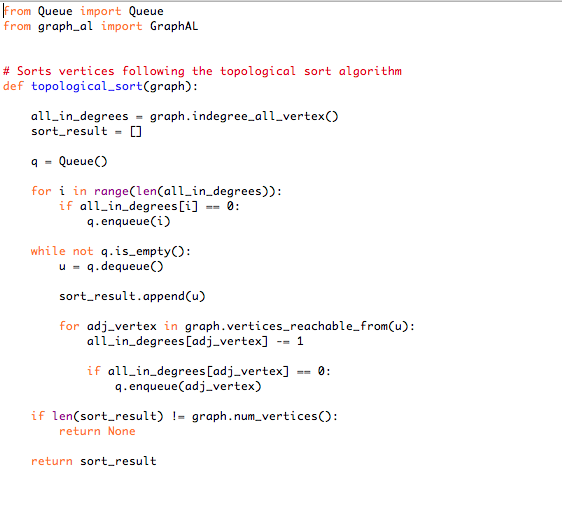






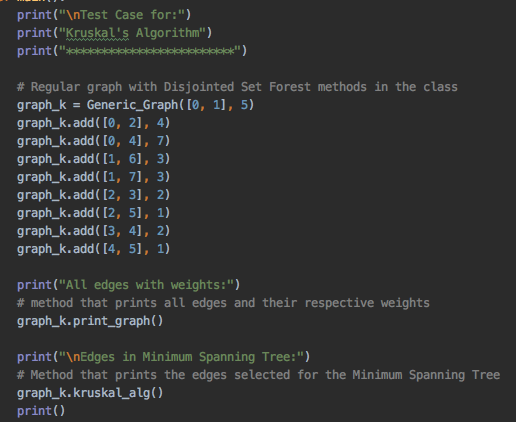


* **Topological Sort**

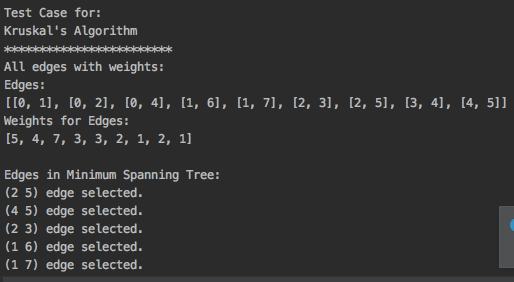


* Test Cases
* Kruskals Algoithm

Test case:



Result:



* Topological Sort

Test case:



Result:

