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EECS 118
Team 61
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Graph Peer Review

Reviewing team 4's Problem 31: find s where is_path(s) and max_degree(s, t, G) and color(s, Color, u) and t<C and u<D

Test Plan:

The program will be tested with two different graphs and inputs.

Graph #1:

graph.csv

```
1,2,0.5,green
1,3,0.9,green
1,4,1.0,black
2,7,0.7,green
7,3,0.5,green
3,4,0.1,blue
4,6,0.2,white
7,6,0.6,white
```

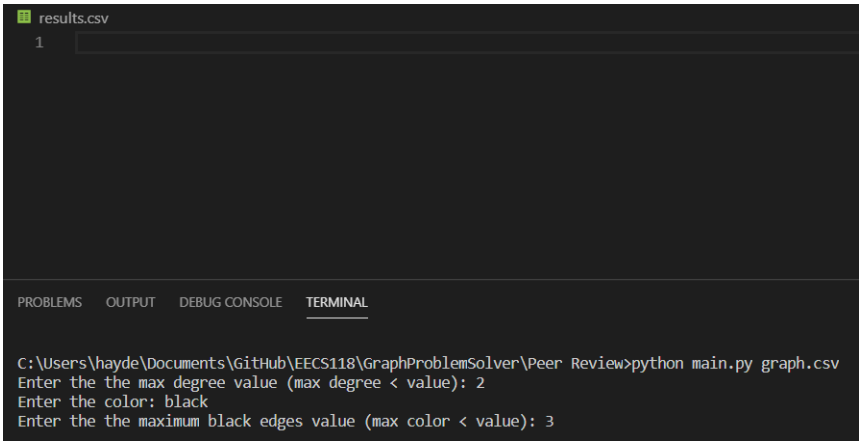
results.csv

```
Path 1:
1,2
Path 2:
1,3
3,7
7,2
Path 3:
1,3
3,4
4,6
6,7
7,2
Path 4:
1,4
4,3
3,7
7,2
Path 5:
1,4
4,6
6,7
7,2
Path 6:
1,2
2,7
Path 7:
1,3
3,7
Path 8:
1,3
3,4
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

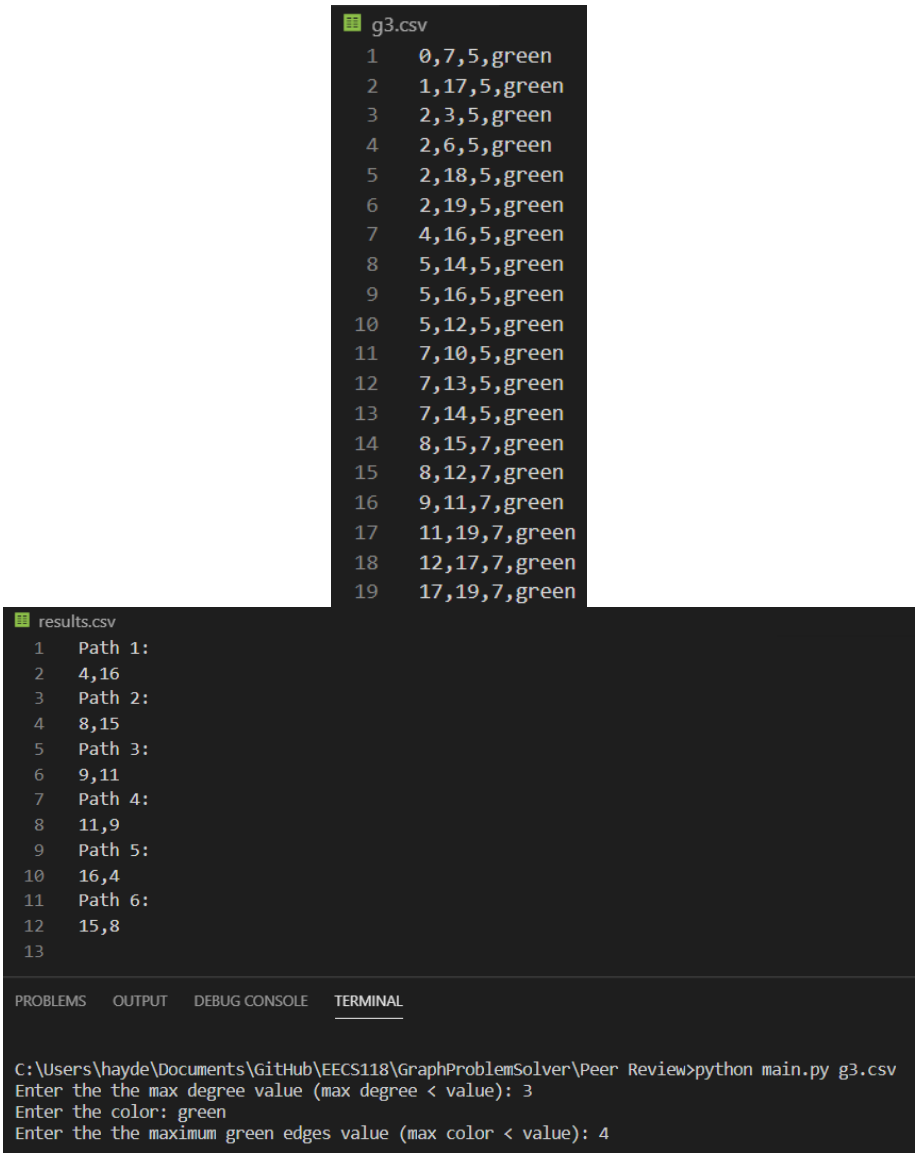
```
C:\Users\hayde\Documents\GitHub\EECS118\GraphProblemSolver\Peer Review>python main.py graph.csv
Enter the the max degree value (max degree < value): 5
Enter the color: green
Enter the the maximum green edges value (max color < value): 4
```

Testcase 1, C = 5, Color = Green, D = 4: The program produced over a hundred paths.

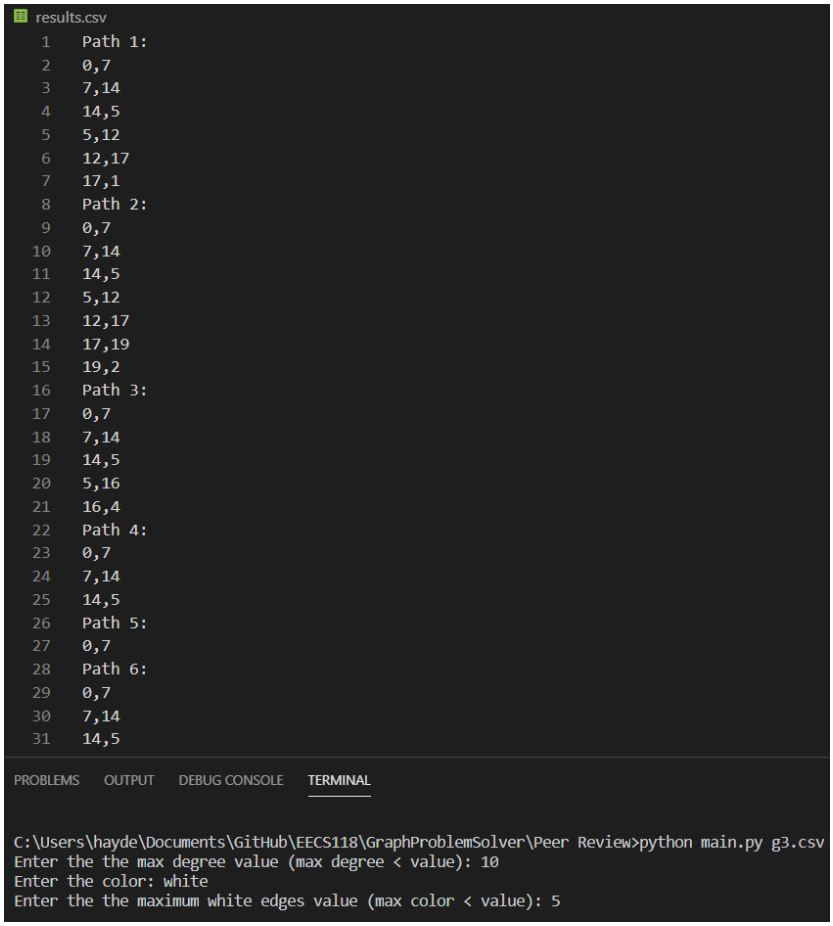


Testcase 2, C = 2, Color = Black, D = 3: The program didn't output anything which is correct

Graph #2:



Testcase 3, C = 3, Color = green, D = 4: The program outputted correct paths but it's missing path 8,12.



Testcase 4, C = 10, Color = White, D = 5: The program outputted values but it shouldn't have because the graph doesn't have any white paths.