hw_1 > input1.txt

Project

▼ ☐ hw_1 (~/Desktop/AI/hw/hw_1)
   📄 CIS4930-Assignment 1.docx
   📄 input1.txt
   📄 maynard.txt
   📄 maynard_hw1_r1.py
▶ 📚 External Libraries

maynard_hw1_r1.py ✕

```python
71    nx.draw_networkx_edge_labels(G, pos, label_pos=0.35)
72    plt.show()
73
74
75    # ANALYZE GRAPH ─────────────────────────────────────
76    start = int(raw_input("\nEnter a starting node: "))
77    end = int(raw_input("Enter an ending node: "))
78
79    print '\nAnalyzing graph with NetworkX'
80
81    if nx.has_path(G, start, end):
82        path = nx.dijkstra_path(G, start, end)
83        length = nx.dijkstra_path_length(G, start, end)
84
85        # RESULTS ─────────────────────────────────────────
86        print "\nThe shortest path is: ", path
87        print "Total weight: ", length
88
89    else:
90        print 'No path between those nodes!!!!'
91
92    # Close files ─────────────────────────────────────────
93    print '\nClosing files'
94    the_file.close()
```

Run: maynard_hw1_r1   maynard_hw1_r1   maynard_hw1_r1   **maynard_hw1_r1**

```
      [ 1  8 20]
      [ 3  1 10]
      [ 5  3  6]
      [ 5  8  5]
      [ 8 13 13]]

    Enter a starting node: 2
    Enter an ending node: 8

    Analyzing graph with NetworkX

    The shortest path is:  [2, 13, 5, 8]
    Total weight:  12

    Closing files

    Process finished with exit code 0
```

Terminal   ▶ 4: Run   🐞 5: Debug   👥 6: TODO