

## Coding Assignment

Write python code that will accept the below image (image sample attached) and

1. Trace the shortest path to connect the 2 yellow points
2. Trace the shortest path that connects the 2 orange points
3. Trace the longest path that connects the yellow dot on the left with the orange dot on the right
4. Measure the length of both of those paths

Explain what algorithm you have used, and show the mapped results

