

**Spike: 6****Title:** Navigation with Graphs**Author:** Adonias Pedro, 104463681**Goals / deliverables:**

- Code
- Report

**Technologies, Tools, and Resources used:**

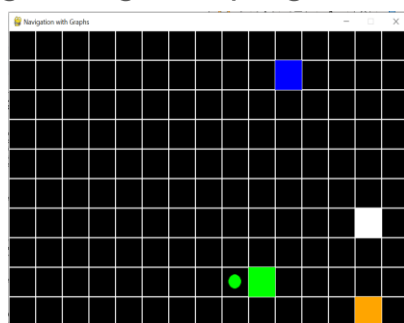
- Latest Version of the Visual Studio Code or the Python IDE
- GeeksforGeeks: <https://www.geeksforgeeks.org/python-functions/?ref=shm>
- W3schools: [https://www.w3schools.com/python/python\\_classes.asp](https://www.w3schools.com/python/python_classes.asp)
- Computer/Laptop

**Tasks undertaken:**

- Download and install the latest version of the Python IDE or Visual Studio Code
- Download and install Git bash terminal
- Use the git bash terminal for configuring and running the code while the code is initialised in a folder

**What we found out:**

The outcomes that occurred were most of the agents in the program were able to make it to their goal destination with a certain speed. It relates to the topic because the agents plan paths using heuristic search algorithms and also navigating through the program.

**Open issues/risks:**

List out the issues and risks that you have been unable to resolve at the end of the spike. You may have uncovered a whole range of new risks as well.

- The agents don't always reach their planned destination when the code is ran
- The agents move to fast
- The agents usually travel in a straight line which could may cause the agents to bump into each other