



National University of Computer & Emerging Sciences



AL2002 – Artificial Intelligence – Lab (Spring 2024)

BSCS-6B

Lab 6

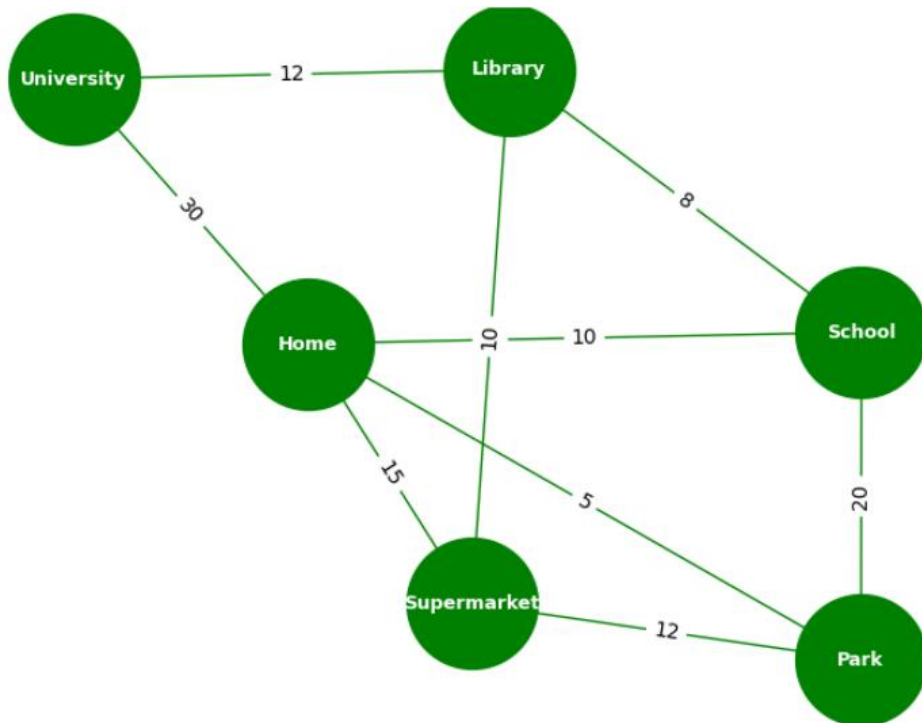
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Department	Computer Science

Instructions:

1. You also have to submit .ipynb file.
2. Comments in the code explaining chunks of the code are important.
3. Plagiarism is strictly prohibited, 0 marks would be given to students who cheat.

Lab Tasks:

Task 1:



Apply all Uninformed Searches and Informed Searches.

For Informed Searches use Euclidean Distance, locations are given as:

Home: (-0.46873215, 0.01091238),

School: (0.78847529, 0.03884364),

Park: (0.78742997, -0.76795657),

Supermarket: (-0.09632994, -0.62893972),

Library: (-0.01084318, 0.68488433),

University: (-1.0, 0.66225594)

Start/ Goal, max depth should be taken from user.

Calculate the time complexity and space complexity and display complete path in file.