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| **First name:** | Kulbir Singh | **UID:** | 116836050 |
| **Nick name:** |  | **Graduate major:** | Robotics |
| **Last name:** | Ahluwalia | **Undergrad. major:** | Electrical |
| **Email address:** | kulbir@terpmail.umd.edu |  |  |
| **Course/section:** | ENPM661: (I am in **0101)**  0201  Other -------------------- | | |

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| **Background (related courses):** |  |
| Intro to Robot modelling |  |
| Cotrol of robotic systems |  |
| Intro to robot programming |  |
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**Q1: Why did you choose robotics as you major? Tell us about your research interest if you have one?**I want to help solve the world’s problems using robots. Particularly use robots in the rehabilitation sector and the Agricultural sector.

**Q2: What are your hobbies?**Gardening, Photography, Jogging

**Q3: What is your most favorite book?**The Martian, Man’s Search for Meaning

**Q4: What are your favorite movies/series?**Favourite movies – Zombieland, The Martian, All Iron man movies  
Favourite series - The big bang theory, Cosmos, How I met your mother

**Q5: What is the one fun or important thing about you that you want everybody to know?**I can drive a tractor, milk cows and grow stuff. By stuff I mean vegetables and fruits of course!

**Q6: Your level of Phyton proficiency (1 for very low, 10 for very high)**

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| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** |
|  |  |  |  |  | **At 6** |  |  |  |  |

**\*** I am planning to share information provided in this form with all of the students in the class.

Student first name: Kulbir Singh

Student last name: Ahluwalia

UID: 116836050

Question 1: Describe one of the new concepts that you learned today (0 points):

Ans: I learnt that BFS does not work if the paths are weighed. It only works if all the paths have the same cost. This is because BFS considers the number of steps and not the cost of the path.

Also learned about Greedy algorithms, Brute force search, Queues, Stacks and Graph to tree conversion.