
Artificial Intelligence for Robotics - Assignment 01

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For this assignment, you are *not* allowed to work in groups. Please submit individually.

1. Read Chapter 1 & 2 in Artificial Intelligence - a modern approach (third edition) by Russel & Norvig.
2. Create a mindmap for Chapter 2 in Artificial Intelligence - a modern approach (third edition) by Russel & Norvig.
3. Define the following in your own words: intelligence, artificial intelligence, agent, rational agent.
4. Briefly explain the different types/properties of task environment.
5. Briefly explain the concepts of reflex-, model-, goal-, or utility-based agents.
6. What is a Braitenberg vehicle? How would you classify Braitenberg vehicles? Are they reflex-, model-, goal-, or utility-based agents?
7. Both the performance measure and the utility function measure how well an agent is doing. Explain the difference between the two.