

**SE4050**

**Deep Learning**

**4th Year, 1st Semester**

**Lab 08**

Submitted to

Sri Lanka Institute of Information Technology

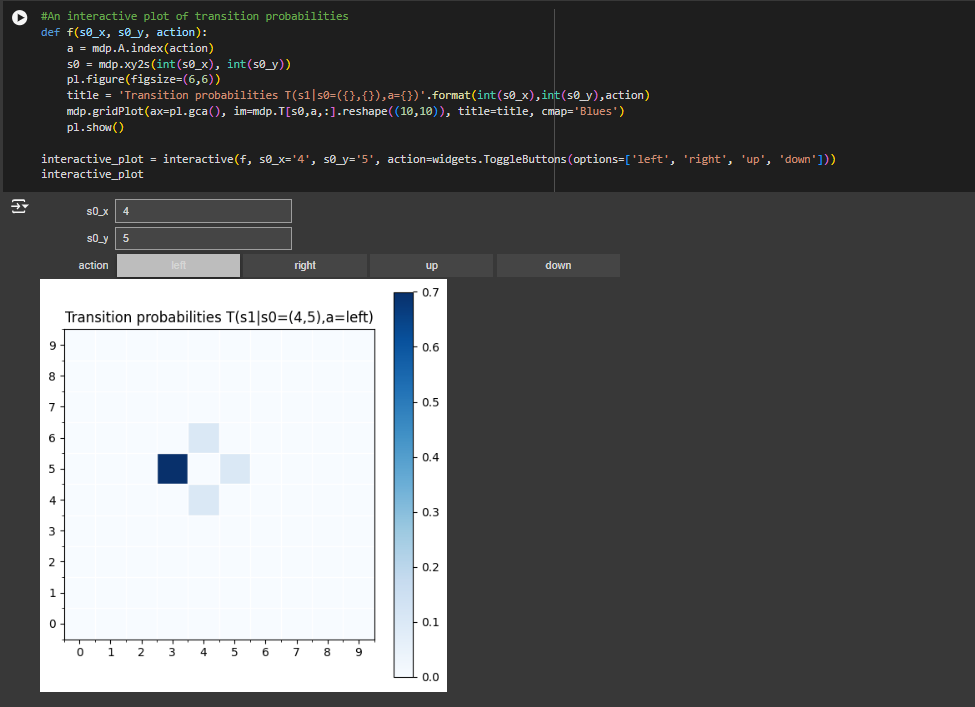
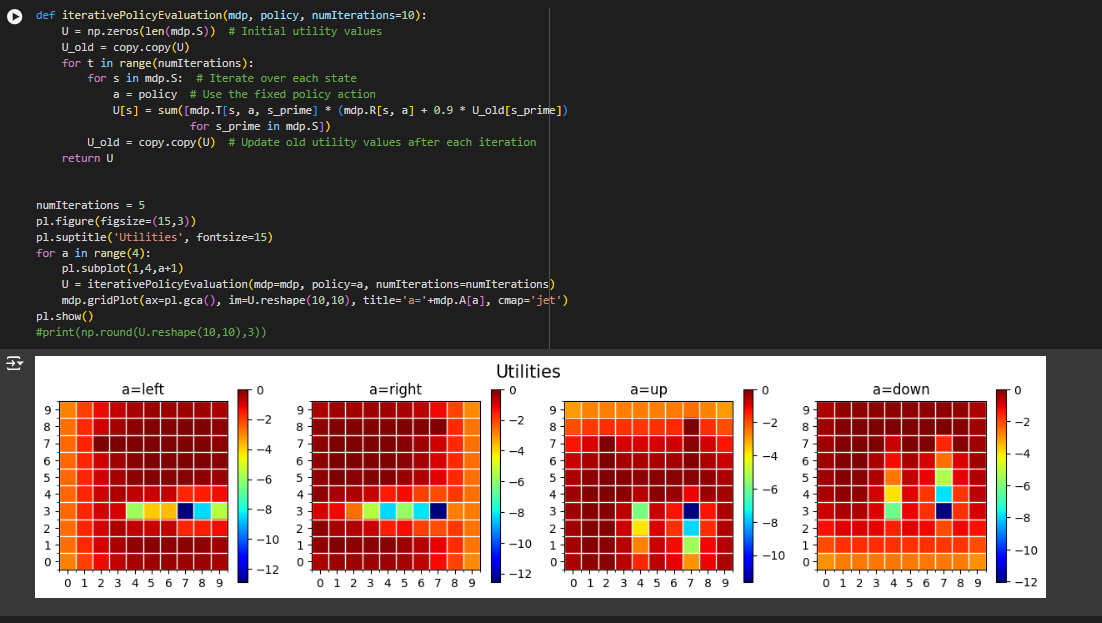
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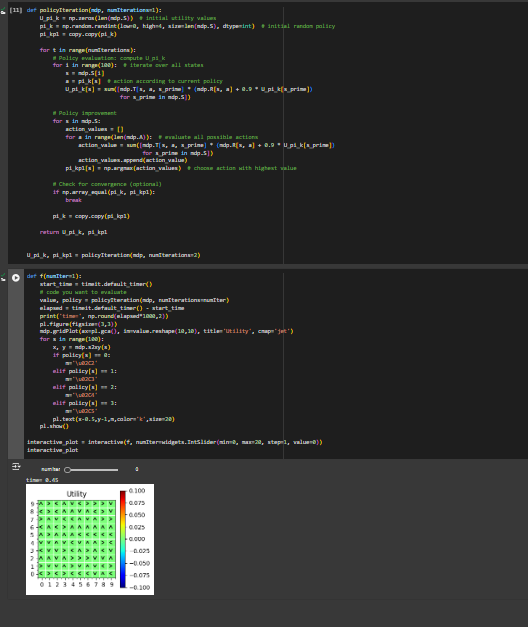
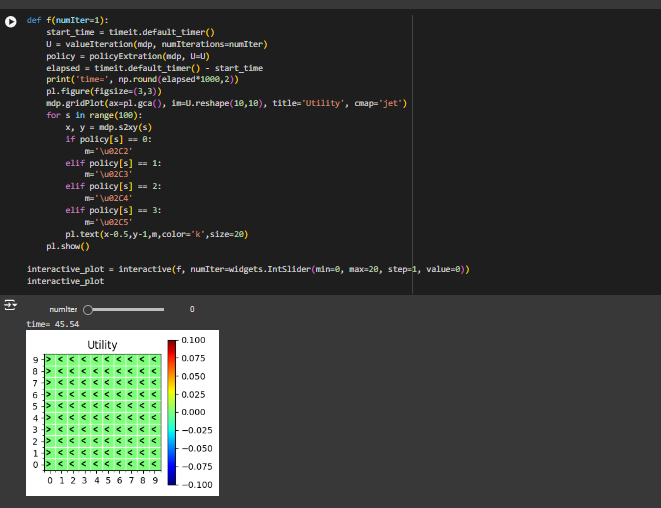
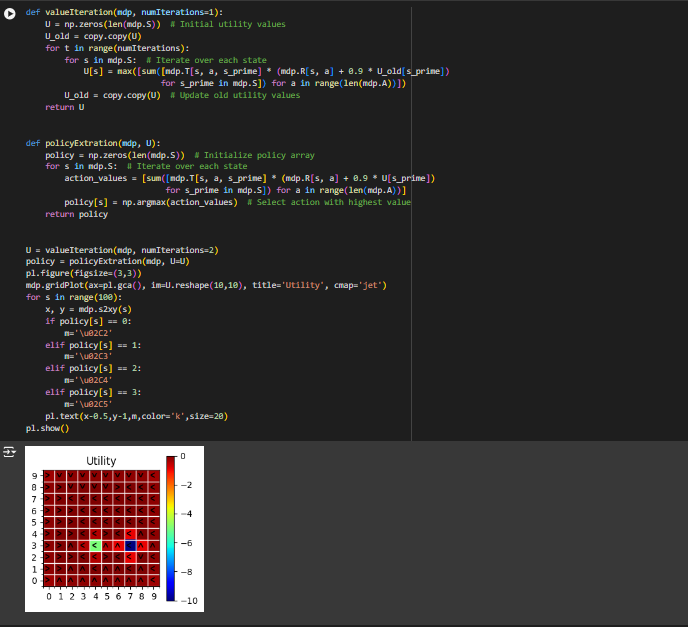
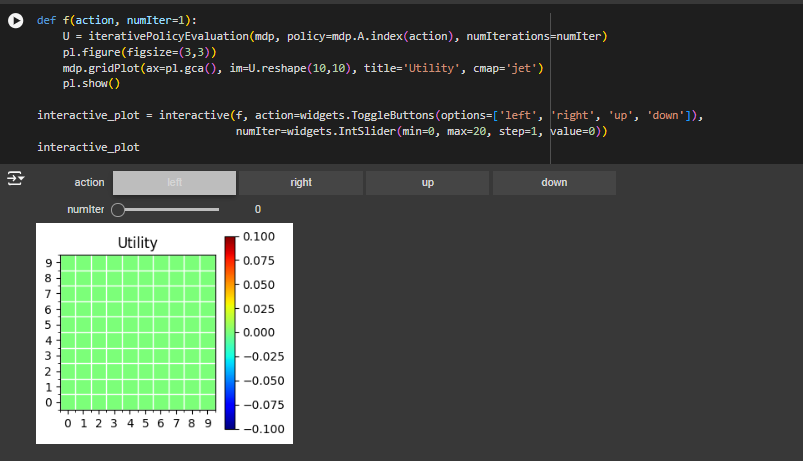
Bachelor of Science Special Honors Degree in Information Technology

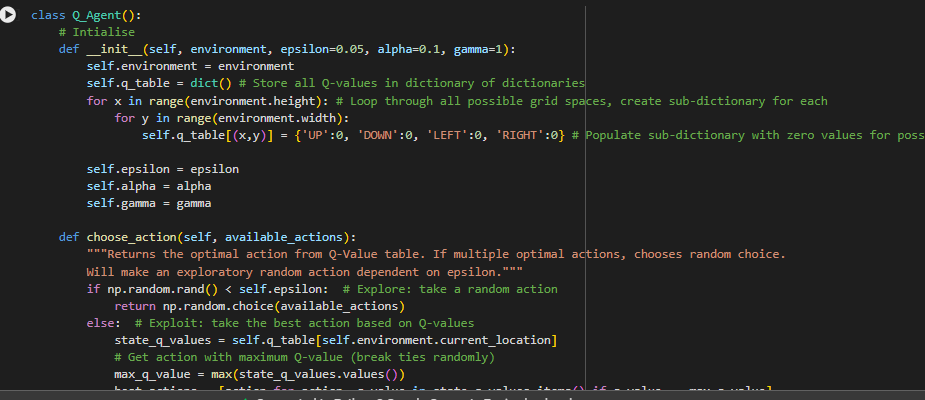
10/04/2024

Question 1

* Markov Decision Process (PolicyIteration) notebook:



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* GridWorld (QLearning) notebook:



A screen shot of a computer program

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Question 2

2.

* Model-based algorithms can plan and make decisions based on future state and reward predictions because they have access to or have learned a model of the environment.
* Instead of using a model, model-free algorithms learn by doing; they adjust their policies or value functions in response to observable rewards and state transitions.

3.

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A screen shot of a computer

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Question 3



A computer screen with text

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A screen shot of a computer program

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