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Assignment Sheet Nr. 1

Question 1

a)

Enviroment	Observable	Deterministic	Static	Discrete	Number Agents
Tennis	fully	deterministic	dynamic	continuous	multi
Weather Forecast	partly	stochastic	dynamic	continuous	single
Tic-Tac-Toe	fully	deterministic	semi	discrete	multi
Cake	fully	deterministic	static	discrete	single

- Tennis → When playing Tennis, u play against someone.

- Weather Forecast → Weather forecast doesn't need a second agent to forecast the weather out of the given information.

- Tic-Tac-Toe → For playing tictactoe, there are 2 players needed.

- Cake → Baking a cake can be done alone.

Question 2

- False: Just because the agent doens't know everything, doesn't mean that the agent isn't rational. The agent can still be rational with given information like in a card game.

- False: A agent as a autonomous taxi driver cannot be perfectly rational when doing the task 'baking' because the PEAS is completly different.

- False: The agent can loose if the opponent has a better hand.

- True: Every action performed, doesn't matter what the actions do, will be rewarded.