The next questions are about the game of tic-tac-toe. It is played on a board of 9 squares, divided into 3 rows and 3 columns. Starting with an empty board, the players in alternating turns place a single piece in an empty square. The starting player places X’s, the other player places O’s. The first player to line up 3 of their pieces in a line (horizontal, vertical, or diagonal), wins the game. If no more moves are possible the game ends in a draw.

- Give the PEAS description for the starting player in tic-tac-toe.
- How does it differ from the PEAS description of the other player?
- Classify the tic-tac-toe task environment according to the following properties and explain your answers:
  - Fully observable/partially observable
  - Deterministic/stochastic/strategic
  - Episodic/sequential
  - Static/dynamic/semi-dynamic
  - Discrete/continuous
  - Single agent/Competitive multi-agent/Cooperative multi-agent