

Agent Type	Performance Measure	Environment	Actuators	Sensors
Medical diagnosis system	Better diagnose the illness	Patient	Medical Probe	X-ray scanner
Satellite image analysis system	Better identify what the objects on earth are	Geography location on earth	Telescope Camera	image scanning
Part-picking robot	The time to pick up the right parts	Amazon Distribution Center	Part-picking Robotic Arms	Cameras on the Robot
Music playlist generator	Generates a playlist that suits user's taste	Mobile App	Music playlist Player	music stream reader
Interactive English tutor	Improve English skills	English learning Student	voice speaker	voice receiver

## Part B

In the table below, there are various task environments. We want to categorize the type of environment these agent types live in. For each column in the table, indicate the type of characteristic that best fits. Refer back to the lecture for the various available options in each column.

Task Environment	Observable	Agents	Deterministic	Episodic	Static	Discrete
Crossword puzzle	Partially	Single	Deterministic	Sequential	Static	Discrete
Chess with a clock	Fully	Multiple	Non-Deterministic	Sequential	Dynamic	Continuous
Poker	Partially	Multiple	Non-Deterministic	Episodic	Static	Discrete
Backgammon	Fully	Multiple	Non-Deterministic	Episodic	Static	Discrete
Taxi driving	Partially	Multiple	Non-Deterministic	Episodic	Dynamic	Discrete
Medical diagnosis	Partially	Single	Deterministic	Episodic	Static	Discrete
Image analysis	Fully	Single	Deterministic	Episodic	Static	Discrete
Part-picking robot	Fully	Single	Deterministic	Episodic	Static	Discrete
Music playlist generator	Fully	Single	Deterministic	Episodic	Static	Discrete