Artificial intelligence

Rational agents



Noor is learning about rational agents in artificial intelligence.

Explain rational agents in artificial intelligence.

Use the words to fill in the blank spaces.

environment	Agent	decisions	acts	reflex	output

In artificial intelligence a rational _____ is an entity that makes _____. Agents are a type of software. Like most other programs and systems, agents use hardware for inputs, processing and outputs.

Most AI based systems are composed of an agent and its _____. An agent _____ in the environment though, some environments may contain more than one rational agent. Typically, anything can be considered to be an agent if it can:

- Perceive its environment through input and/or sensors.
- Act upon its environment through _____ and/or actuators.

There are many types of rational agent, some types of rational agent are:

- Simple _____ agents
- Model-based reflex agents
- Learning agents

LIVEWORKSHEETS