

Rational agents



Activity 8

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
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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