

Experiment No: 1


Step 1:

To open Monica AI ([Monica - Your ChatGPT AI Assistant Chrome Extension](#)), access the platform through your web browser or app, sign in with your credentials or create a new account, navigate the interface to start a new session, +input your query in the designated field, review the AI's response, and log out when finished.

Step 2:

Prompt : What are Performance of Tower of hanoi / Robotic Virtual Assistant / AI Controlled Refrigerator / AI Question Answer System

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Performance Measures

Step 3:

Prompt : What are Environment of Tower of hanoi / Robotic Virtual Assistant / AI Controlled Refrigerator / AI Question Answer System

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Summary of Environments

Step 4:

Prompt : What are Actuators of Tower of hanoi / Robotic Virtual Assistant / AI Controlled Refrigerator / AI Question Answer System

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Here's an overview of the actuators associated with each of the systems mentioned:

1. Tower of Hanoi

Steps 5:

Prompt : What are Sensors of Tower of hanoi / Robotic Virtual Assistant / AI Controlled Refrigerator / AI Question Answer System

What are Sensors of Tower of hanoi / Robotic Virtual Assistant / AI Controlled Refrigerator / AI Question Answer System

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Summary of Sensors

- **Tower of Hanoi:** No sensors; operates in a controlled, simulated environment without external input.
- **Robotic Virtual Assistant:** Utilizes microphones (for voice recognition), cameras (for visual input), and

Performance Measures:

- Tower of Hanoi Playing Agent: Number of moves, time taken, and correctness.
- Robo Virtual Assistant: Response accuracy, task completion rate, and user satisfaction.
- AI-Controlled Refrigerator: Energy efficiency, food freshness, and user engagement.
- AI Question-Answering (QA) System: Accuracy, response time, and user satisfaction.

Environments:

- Tower of Hanoi Playing Agent: Game setup with physical or graphical pegs and disks, governed by specific rules and a goal state.
- Robo Virtual Assistant: User interfaces on mobile apps or smart speakers, integrating with smart home devices and adapting to user demographics.
- AI-Controlled Refrigerator: Kitchen environment allowing user interaction via touch screens and voice commands while accessing external data sources.
- AI Question-Answering (QA) System: Engages users through chatbots or web applications, utilizing a knowledge base and external data sources.

Actuators:

- Tower of Hanoi Playing Agent: Move disk, display output, and reset/start game actuators.
- Robo Virtual Assistant: Speech output, task execution, and feedback mechanism actuators.
- AI-Controlled Refrigerator: Cooling system, notification system, and food management actuators.
- AI Question-Answering (QA) System: Response generation, output display, and feedback collection actuators.

Sensors:

- Tower of Hanoi Playing Agent: Disk position, move counter, rule compliance, game status, user input, and visual display sensors.
- Robo Virtual Assistant: Voice recognition, contextual awareness and environmental sensors.
- AI-Controlled Refrigerator: Temperature, weight, and camera sensors.
- AI Question-Answering (QA) System: Input text, contextual understanding, and knowledge base sensors.