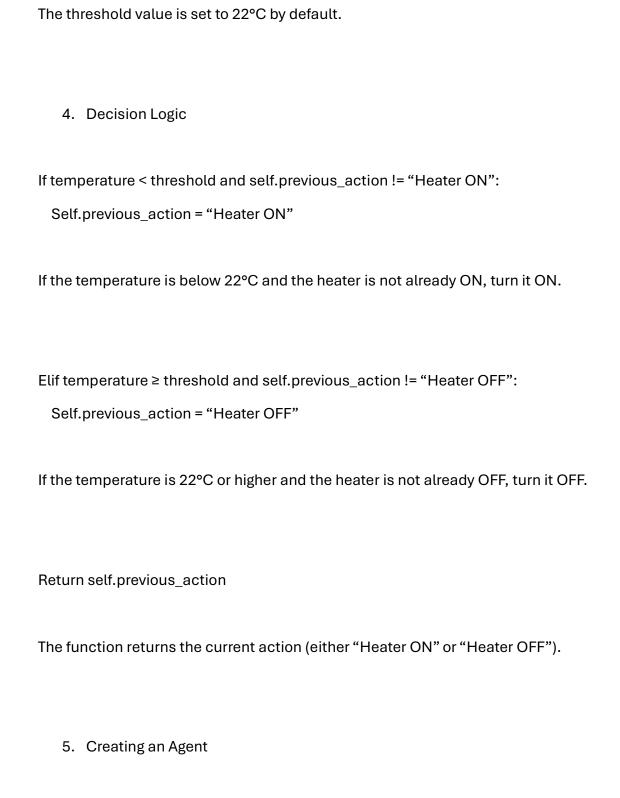
Task 3:
Explanation
1. Class Definition
Class ModelBasedReflexAgent:
This defines a class named ModelBasedReflexAgent, which represents the agent controlling the heater.
2. Initialization (init method)
Definit(self):
Self.previous_action = None
The agent has a memory (self.previous_action) that stores the last action it took.
Initially, it is set to None.
3. Decision Function (decide_action)
Def decide_action(self, temperature, threshold=22):
This function decides whether to turn the heater ON or OFF based on the given temperature.



Agent = ModelBasedReflexAgent()

