LAB-3

This Python program implements a **Reflex Agent** to control a heater based on temperature readings. The ReflexAgent class is initialized with a threshold (default **22°C**) and tracks the previous\_action to avoid redundant commands. The decide\_action() method checks the current temperature:

* If it's **below the threshold**, it turns the heater **ON** (unless it's already ON).
* If it's **equal to or above the threshold**, it turns the heater **OFF** (unless it's already OFF).

A sequence of temperatures is processed, and the agent **decides actions dynamically**, printing the result for each temperature change.

