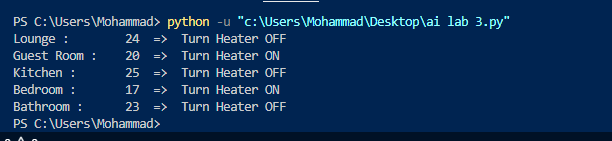
**Code Explanation**:

Smart Home Temperature Control

This document explains the working of the provided Python code for a smart home temperature control system. The explanation is structured in bullet points for clarity.

* The code simulates a smart home temperature control system.
* It defines a class named `SimpleReflexAgent` to act as a simple decision-making agent.
* The agent's goal is to maintain the temperature by turning the Air Conditioner (AC) on or off based on the input temperature.
* Key components of the code:
* 1. \*\*Class Initialization (`\_\_init\_\_`)\*\*:   
   - Takes a fixed temperature as input (desired reference temperature).
* 2. \*\*Sensor Method (`sensor`)\*\*:   
   - Reads the current temperature of the room and stores it.
* 3. \*\*Performance Method (`performance`)\*\*:   
   - Compares the current temperature with the fixed temperature.   
   - If current > fixed → Action: 'Turn on the AC'.   
   - Else → Action: 'Turn off the AC'.
* 4. \*\*Actuator Method (`actuator`)\*\*:   
   - Calls the `performance` method to decide the action.   
   - Prints the current temperature along with the selected action.
* The code also defines a dictionary `rooms` that stores room names with their current temperatures.
* The agent is created with a reference temperature of 16°C.
* The program loops through each room, reads the room temperature, and decides whether to turn the AC on or off.
* Example Execution:   
   - Living Room: 20°C → Action: Turn on the AC   
   - Drawing Room: 22°C → Action: Turn on the AC   
   - Kitchen: 34°C → Action: Turn on the AC

***Output***