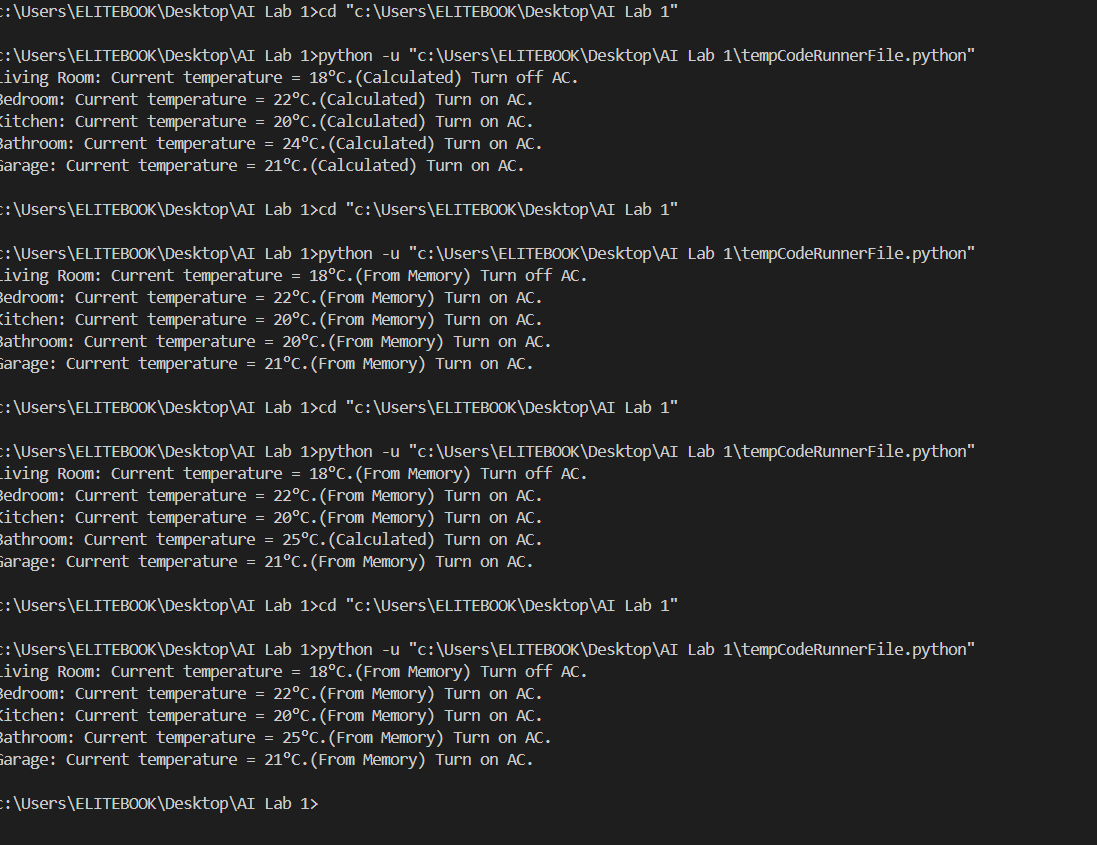
**Memory Base Reflex Agent:**  
 This program defines a **Reflex Agent** that makes decisions about controlling an air conditioner (AC) based on room temperatures.

* The agent is initialized with a **desired temperature** and uses a **memory file** (memory.txt) to remember past decisions.
* If the memory file doesn’t exist, it creates one and adds a header row (Temperature,Action).
* When the agent is asked to act on a room’s temperature:
  1. It first **checks the memory file** to see if it has already made a decision for that temperature.
     + If found, it reuses that decision and reports it as coming **“From Memory.”**
  2. If the temperature is not in memory, it calculates a new decision:
     + If the current temperature is **lower than the desired temperature**, the agent decides to **turn off the AC**.
     + If the current temperature is **equal to or higher**, it decides to **turn on the AC**.
  3. The new decision is then **saved to the memory file** so that future requests for the same temperature won’t need recalculation.

Finally, the program simulates this behavior for different rooms (living room, bedroom, kitchen, bathroom, and garage) by checking their current temperatures and printing out the agent’s decision for each room.

**⚡ In short:**  
This is a **rule-based smart agent** that controls AC by comparing current temperature with a desired setpoint, while also **remembering past decisions** to avoid redundant calculations.

***Output:***