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# Reflex Agent Program - Simple Explanation

## What is this Program?

This is a simple Reflex Agent program in Python. It checks the temperature of rooms and decides whether to turn the AC ON or OFF. The agent makes decisions based on a fixed temperature value given at the start.

## How does it work?

Step 1: Setting Temperature Limit  
The agent is given a temperature limit. This is the point to decide ON or OFF.

Step 2: Checking Room Temperature  
The agent looks at the temperature of each room. If the room temperature is equal to or higher than the limit, it turns ON the AC. If it is lower, it turns OFF the AC.

Step 3: Avoiding Repeat Actions  
If the AC is already ON, it will not turn it ON again. If the AC is already OFF, it will not turn it OFF again.

## Output Example

Example Run:  
Parents Room temperature is 21°C => Turn OFF AC  
Drawing Room temperature is 21°C => AC is already OFF  
Gaming Room temperature is 26°C => Turn ON AC  
Brother's Room temperature is 24°C => AC is already ON

## Why this approach?

1. Smart Checking: The agent checks temperature and decides quickly.  
2. No Repetition: It avoids repeating the same action.  
3. Simple to Use: Easy code and logic.  
4. Beginner Friendly: Good example of AI reflex agent.