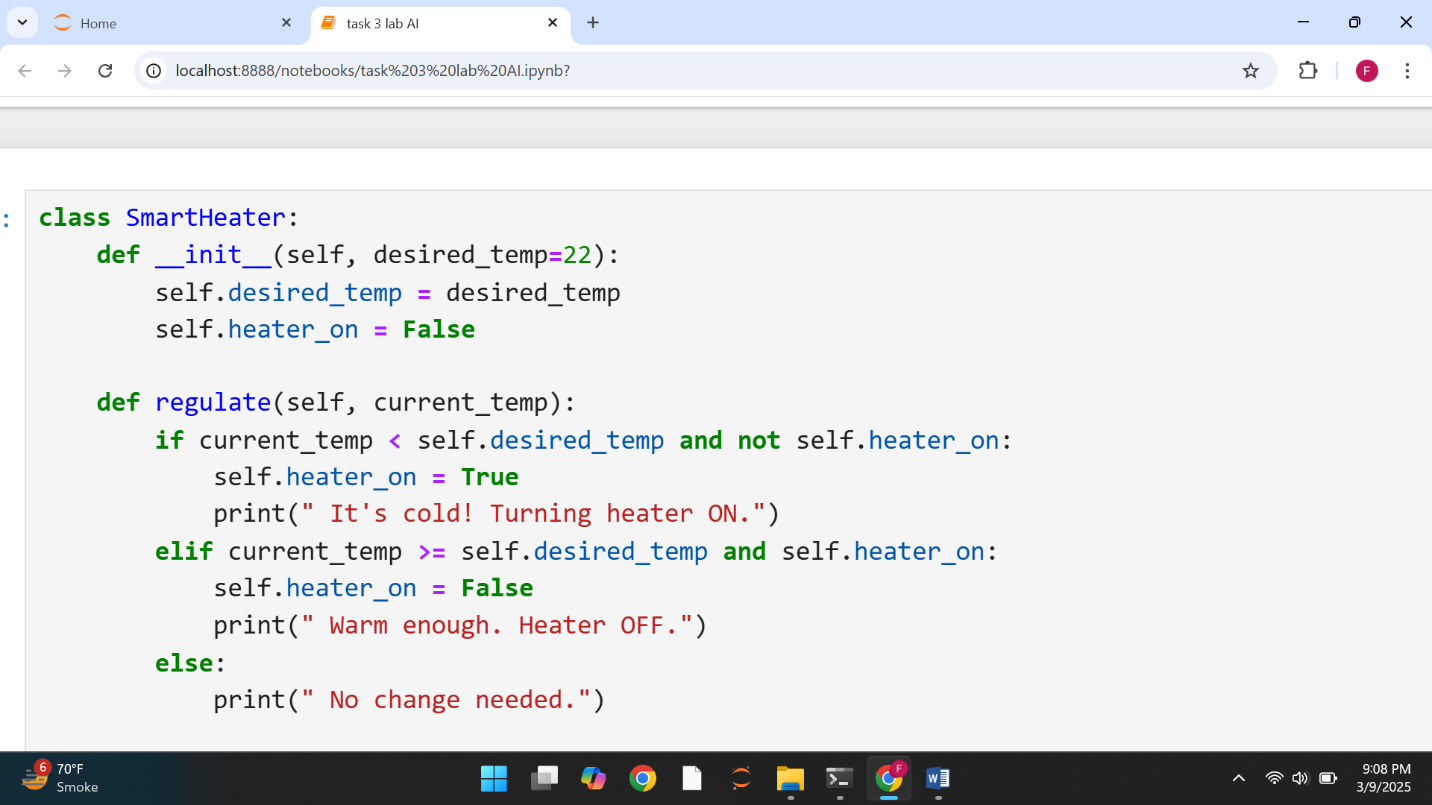
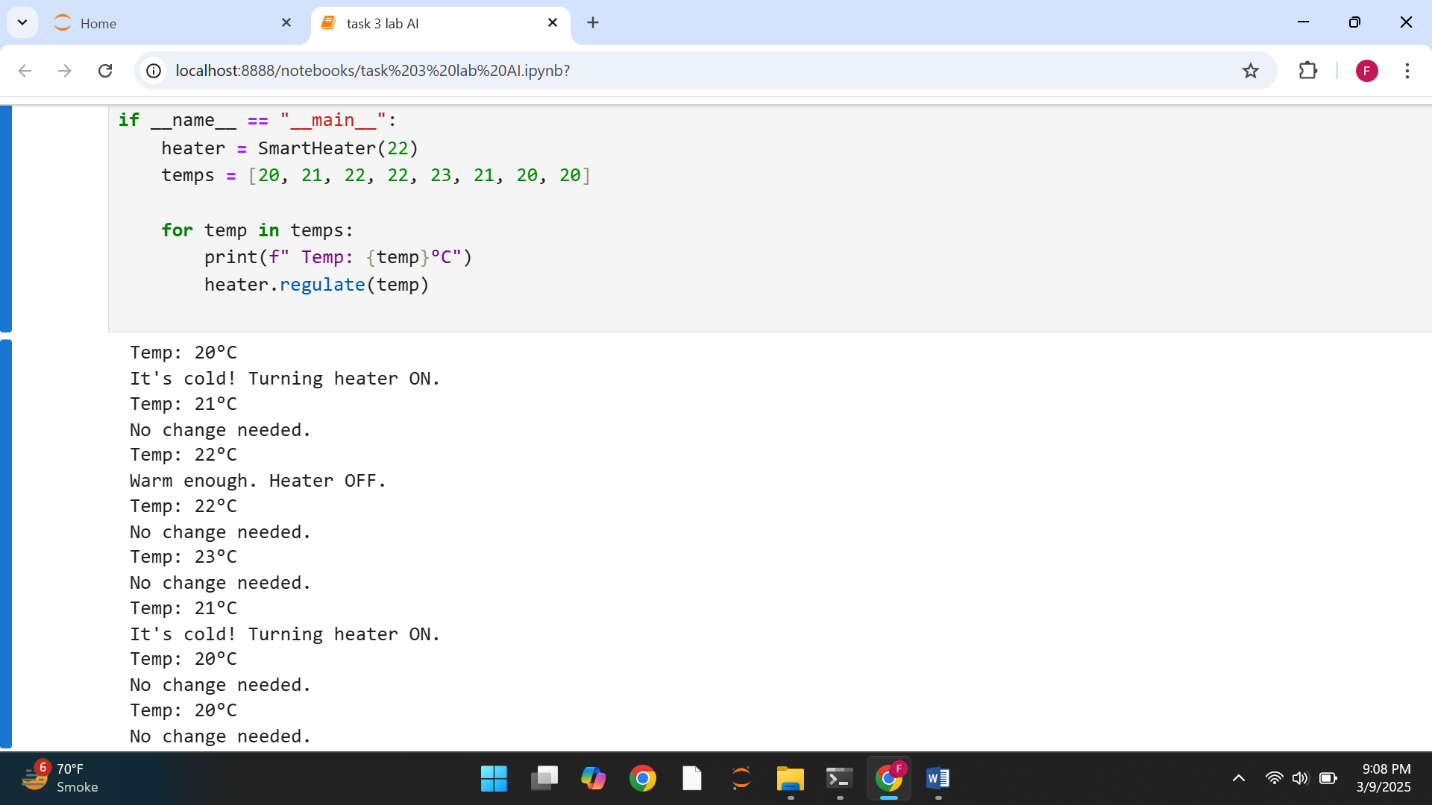
**Fatima bint Naseer**

**BSAI\_3A\_050**

The SmartHeater class controls a heater by checking if the room temperature is below or above the set temperature. The regulate method turns the heater on if it's too cold and off if it's warm enough. The program tests this by using a list of temperatures to see how the heater responds.

****

****