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# -*- coding: utf-8 -*-
"""Untitled10.ipynb

Automatically generated by Colab.

Original file is located at
https://colab.research.google.com/drive/1F8P6VKuiX35zGtqErkC6kKP4I2Y6chIU
"""

#case study 3

def monitor_temperature(threshold):
    while True:
        try:
            temp = float(input("Enter the current temperature (or type 'exit' to stop): "))
            if temp > threshold:
                print(f"ALERT! Temperature {temp}°C exceeds the threshold of {threshold}°C!")
            else:
                print(f"Temperature {temp}°C is within the safe limit.")
        except ValueError:
            print("Exiting temperature monitoring.")
            break

if __name__ == "__main__":
    threshold = float(input("Set the temperature threshold (°C): "))
    monitor_temperature(threshold)
```