```
import time
import random

def get_temperature():
    return round(random.uniform(-10, 50), 2)

def monitor_temperature(lower_threshold, upper_threshold, check_interval=5):
    while True:
        temperature = get_temperature()
        print(f"Current Temperature: {temperature}°C")

        if temperature > upper_threshold:
            print("ALERT! High Temperature Detected!")
        elif temperature < lower_threshold:
            print("ALERT! Low Temperature Detected!")

        time.sleep(check_interval)

if __name__ == "__main__":
    lower_limit = float(input("Enter the lower temperature threshold: "))
    upper_limit = float(input("Enter the upper temperature threshold: "))
    interval = int(input("Enter the check interval (in seconds): "))
    monitor_temperature(lower_limit, upper_limit, interval)
```

```
Enter the lower temperature threshold: 10
Enter the upper temperature threshold: 30
Enter the check interval (in seconds): 2
Current Temperature: 26.63°C
Current Temperature: 0.53°C
ALERT! Low Temperature Detected!
Current Temperature: 35.47°C
ALERT! High Temperature Detected!
Current Temperature: 40.43°C
ALERT! High Temperature Detected!
Current Temperature: 17.55°C
Current Temperature: 31.26°C
ALERT! High Temperature Detected!
Current Temperature: 34.39°C
ALERT! High Temperature Detected!
Current Temperature: -7.08°C
ALERT! Low Temperature Detected!
Current Temperature: -0.26°C
ALERT! Low Temperature Detected!
Current Temperature: -6.83°C
ALERT! Low Temperature Detected!
```

Start coding or generate with AI.