Part a

public void cleanData(double lower, double upper)

{

for(int i = 0; i < temperatures.size(); i++)

{

if(temperatures.get(i) < lower || temperature.get(i) > upper)

{

temperatures.remove(i);

i--;

}

}

}

Part b

public int longestHeatWave(double threshold)

{

int max = 0;

int count = 0;

for(int i = 0; i < temperatures.size() - 1; i++)

{

if(temperature.get(i) > threshold)

{

for(int k = i + 1; k < temperature.size(); k++)

{

if(temperature.get(k) > threshold)

{

count++;

}

else

{

count = 0;

break;

}

}

}

}

}