Part 1 output:

System configuration:

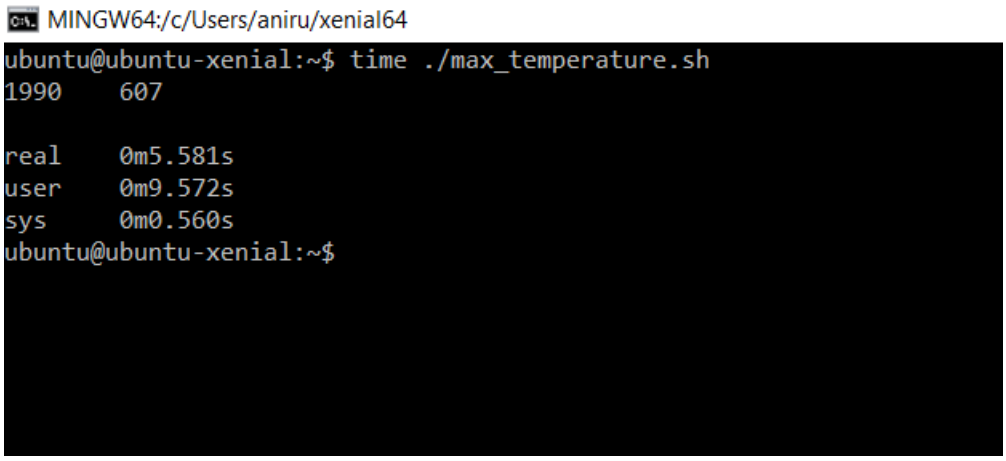
- RAM: 2 GB
- CPU Speed: 1.5 GHz

1. 1990 data set

This step took these possible execution times:

Real time: 5.581 s
User time: 9.572 s
System time: 0.560 s

Here is the screenshot of the execution:

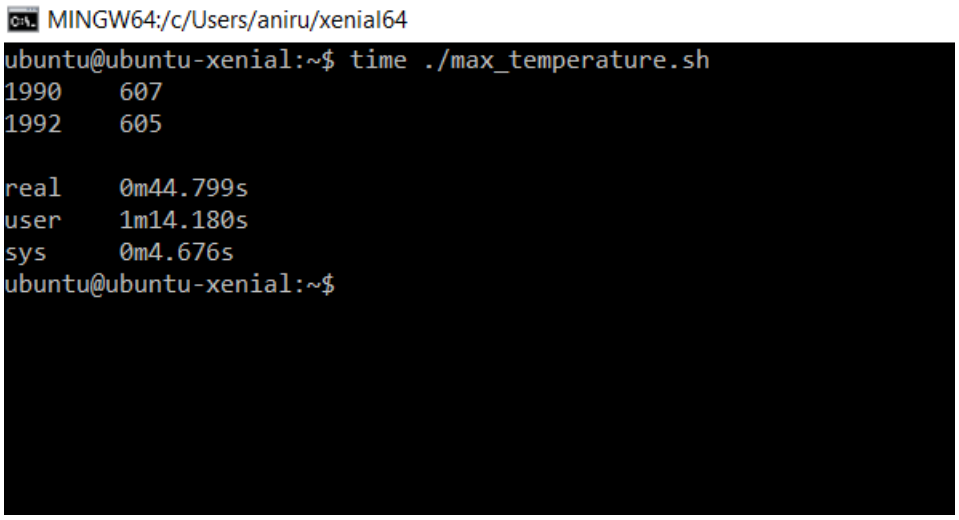


2. 1990 & 1992 data set

This step took these possible execution times:

Real time: 44.799 s
User time: 74.180 s
System time: 4.676 s

Here is the screenshot of the execution:

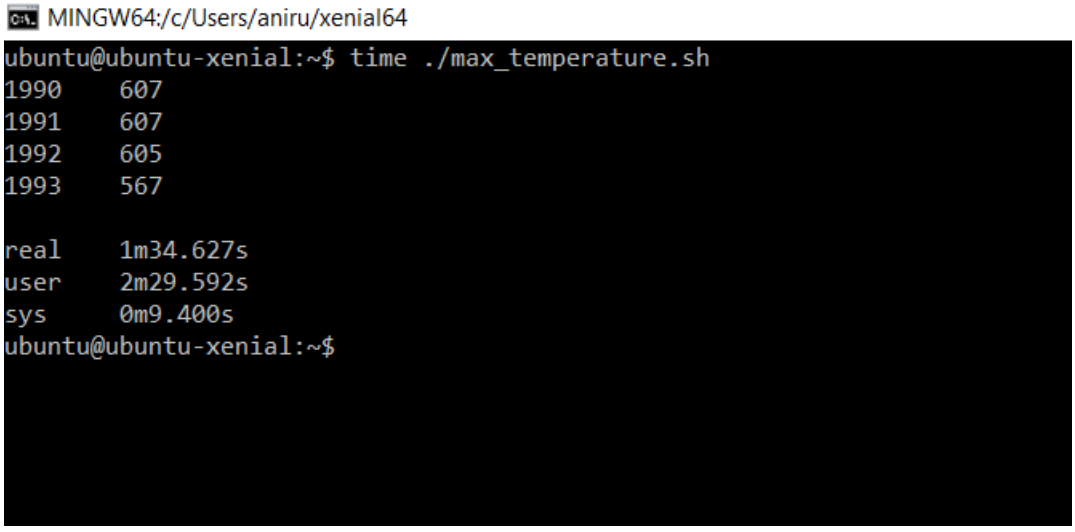


3. 1990, 1991, 1992 & 1993 data set

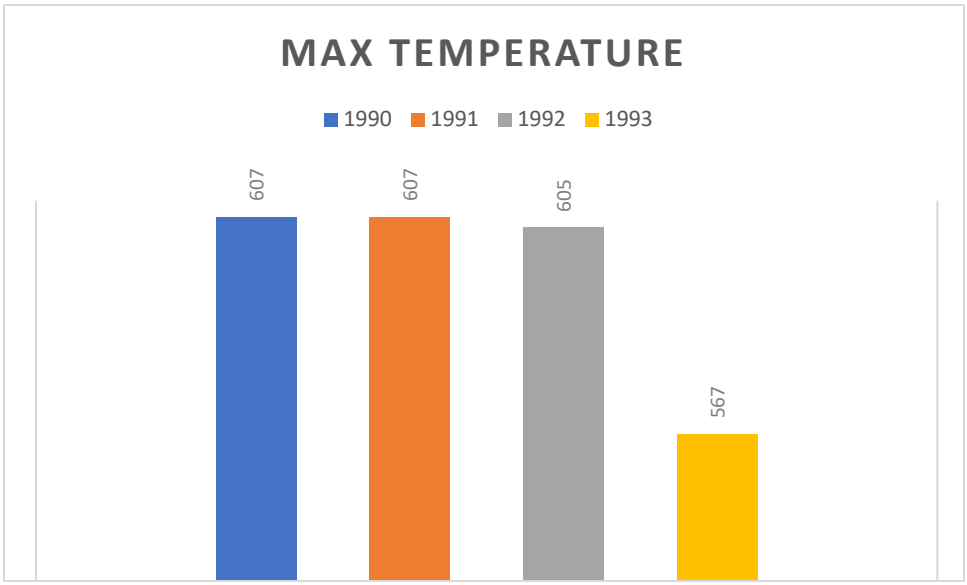
This step took these possible execution times:

Real time: 94.627 s
User time: 149.592 s
System time: 9.400 s

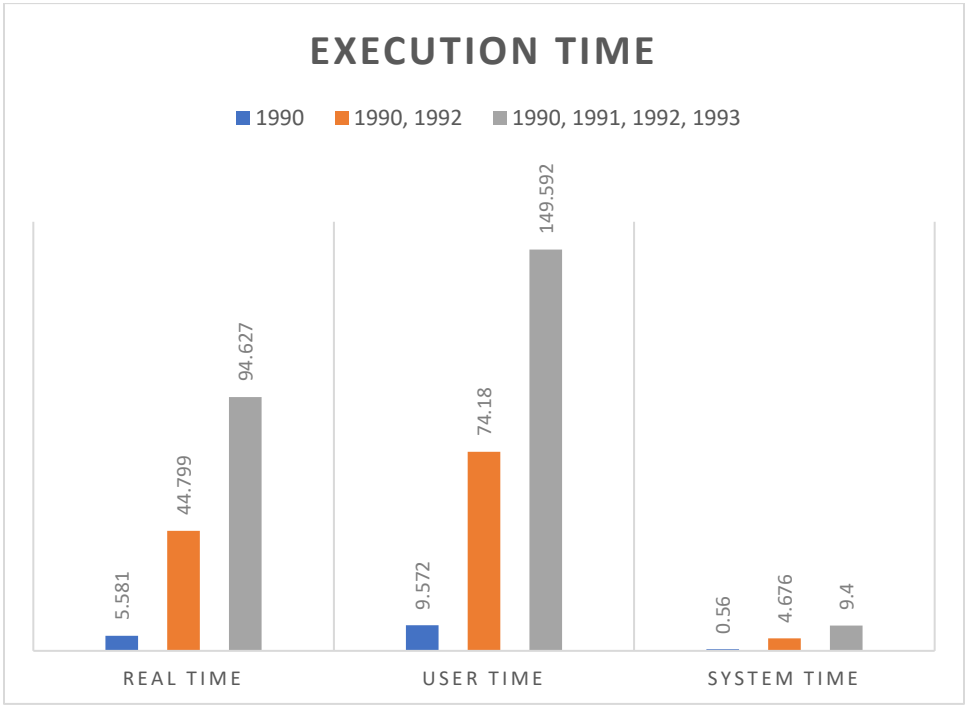
Here is the screenshot of the execution:



Chart/Graph for max temperature:



Chart/Graph for execution time:



Part 2 output:

System configuration:

- RAM: 2 GB
- CPU Speed: 1.5 GHz