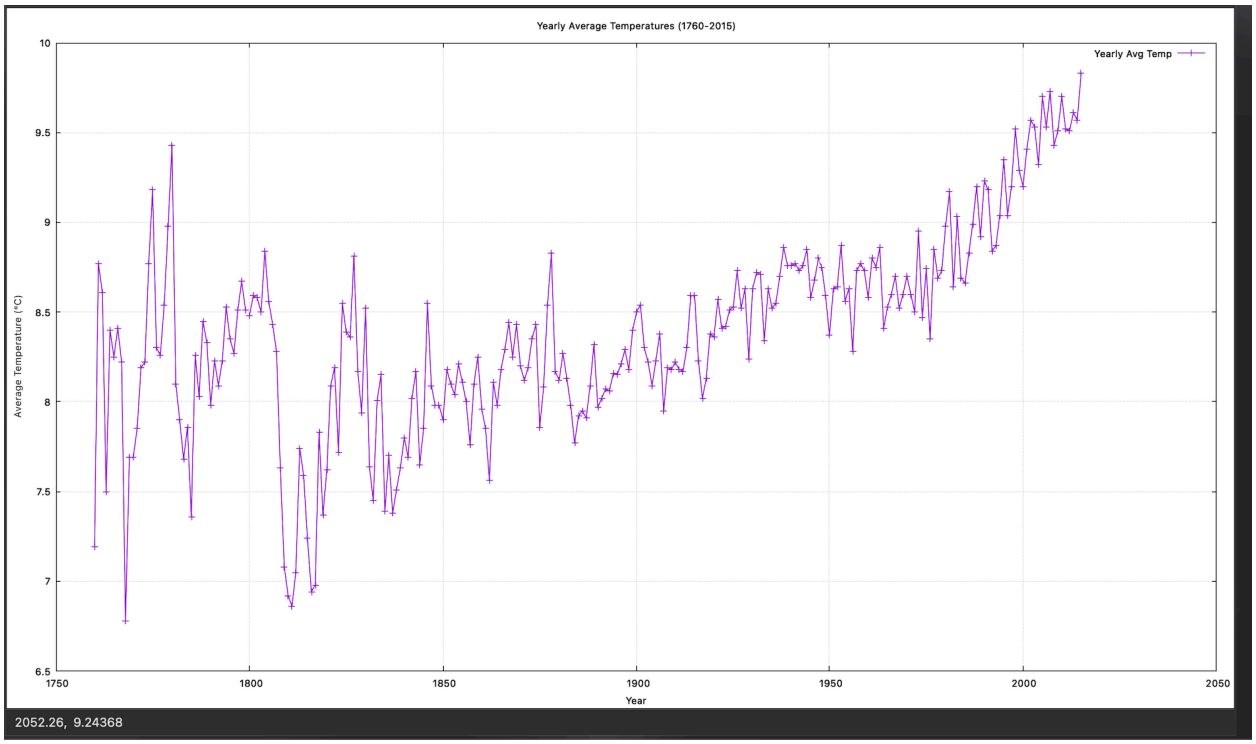
Graphs

Problem 6

Based on your answer in question 1, generate a GNUPlot data file and use GNUPlot to make a graph (line plot) of the yearly temperatures for the years 1760 to 2015. Label the axes clearly and add a title and legend to your graph.

Plot **(screenshot of the plot)**



GNU PLOT SCRIPT FOR QUESTION 6:

```
gnuplot> set title "Yearly Average Temperatures (1760-2015)"
gnuplot> set xlabel "Year"
gnuplot> set ylabel "Average Temperature (°C)"
gnuplot>  set grid
gnuplot> plot "avgTemp.txt" using 1:2 with linespoints title "Yearly Avg Temp"
```

Purpose:	**Conflicts:**	**Outputs/Analysis:**	**How we would approach next time:**
This linear graph plot illustrates a visual representation of the	There were minor problems, with coding for GNUplot	The result displays a line plot depicting lines representing the	Ultimately, when approaching this

yearly temperature for the following years of 1760-2015. Its primary aim is to provide a depiction of the temperature variations, over a span of 255 years spanning various centuries.	in this particular scenario. Specifically incorporating lines of the yearly temperature for the following years; 1760-2015, on the graph posed a challenge. Additionally setting up the for loop to input the values into the file proved to be somewhat troublesome.	temperatures from 1760 to 2015. The pattern, in this graph, alternates in a pattern quickly resembling an exponential curve overall. To improve the presentation the axes were annotated with titles and a legend.	question the steps to consider would remain unchanged as it is a query, with options to explore.