Idea of my project:

In this final project, I will be looking at the history of the Olympic Games and present some insights on the effects of major world events on the Olympics and the distinct trends found between certain variables in my dataset. I believe that the study of the data will be meaningful to people who are interested in the Olympics beyond the scope of it being merely a form of sports entertainment, and also to people who may be new to the Olympic Games and want to gain some new knowledge on this worldwide sports event.

Dataset that I will be using:

I will be using a dataset found on Kaggle which consists of data of 120 years of the Olympics. The dataset that I have found consists of information of the Olympics Games from Athens 1896 to Rio 2016. The dataset includes the name, gender, age, height, weight, representing team, year of participation, sport, event and medal won of all athletes who participated in the Olympic Games.

Concepts I plan to use in my final code:

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| Week | Concept | How I’ve used it | Line number | Filename |
| 2 | Creating a HTML | I have created an index.html on Vscode. | 1 and 2 | index.html |
| 2 | Creating a CSS | I have created a css file and linked it to my index.html file. | 6 | index.html |
| 2 | Using CSS style properties | I have added respective CSS style properties for my tabs and tab buttons. | 10-44 | appstyle.css |
| 3 | Creating a function | I have created a function in main.js for my line chart.  I have created a function in main.js to open the respective tab content when I click on the tab.  I have created a function to clear the canvas of the tab. | 2,131,153 | main.js |
| 3 | Calling a function | I have called the function on click in my index.html. | 16,17 | index.html |
| 3 | Initializing variables | I have initialized variables using const when creating my line chart. | 2,3 | main.js |
| 4 | Assigning ID and class to HTML elements | I have assigned classes and ids to my tab buttons and tab contents. | 13-18, 21,26,31,36,41 | index.html |
| 5 | Using HTML colors | I have used HTML and rgb colors for my tab borders, background colors, and font colors. | 12,13,18,26,32,36,42 | appstyle.css |
| 6 | Using arrays/lists | I used arrays for my datasets. | 10,14,16… | main.js |
| 7 | Creating bar plots |  |  |  |
| 7 | Creating line charts | I have created my first line chart:  Does the country who hosts the Olympics have any correlation with the number of medals the country won in that Olympics? | 2-40 | main.js |
| 8 | Data sub setting | I have filtered out the data to include only data from Summer Olympics 1992-2016. |  | olympics\_dataset.xlsm |
| 8 | Excel formulas | I have used the countifs function to do calculations on my data. |  | olympics\_dataset.xlsm |
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Problems encountered:

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| Mistakes | How did I solve the problem? |
| Line chart on index.html was not printing and encountered error that index.html could not acquire the context of the chart. | I added a defer attribute to my src that links the main.js to index.html file |
| I could not change the color of one point on the line chart. | I used the property pointBackgroundColor and created a list to link each color to each point. |
| The graph on the first tab did not close when I clicked on the second tab. | I added a clearCanvas() function to clear the graph on the first tab when I clicked on the second tab. |
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