



SimpleGraph



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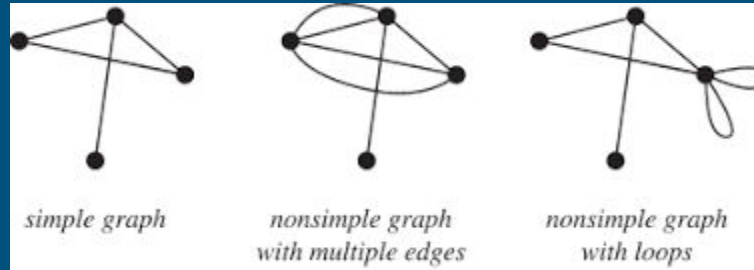
Overview

- What is a Simple Graph
- How we can incorporate this graph in coding
- Basic ends and outs of getting the graph to be displayed in a code editor
- Exercise code in jupyter notebook with the class
- Conclusion
- Questions



What is a Simple Graph?

A simple graph is also called a simple plot it is an unweighted, undirected graph containing no graph loops or multiple edges. Unless stated otherwise , the qualified term “graph” usually refers to a simple graph.



Ends and out of coding the graph

1st- you will need to know what graph you want to display

2nd- Your input data / numbers ready to be entered into your code before you run it

3rd - Make sure you have your Y and X axis because the graph wouldn't have anywhere to begin your data

4th - Make sure you have a title to display what data you are displaying to your audience

Basic outline of code

Import matplotlib.pyplot as plt (**importing the required module**)

X and y coordinates (**x and y values storing data**)

Plot (**plotting the points**)

X and y label (**naming the x and y axis**)

Show() (**displays created plots**)

Title (**giving a title for your graph**)

Now lets try it

Off to the editor.....



Result

```
import matplotlib.pyplot as plt

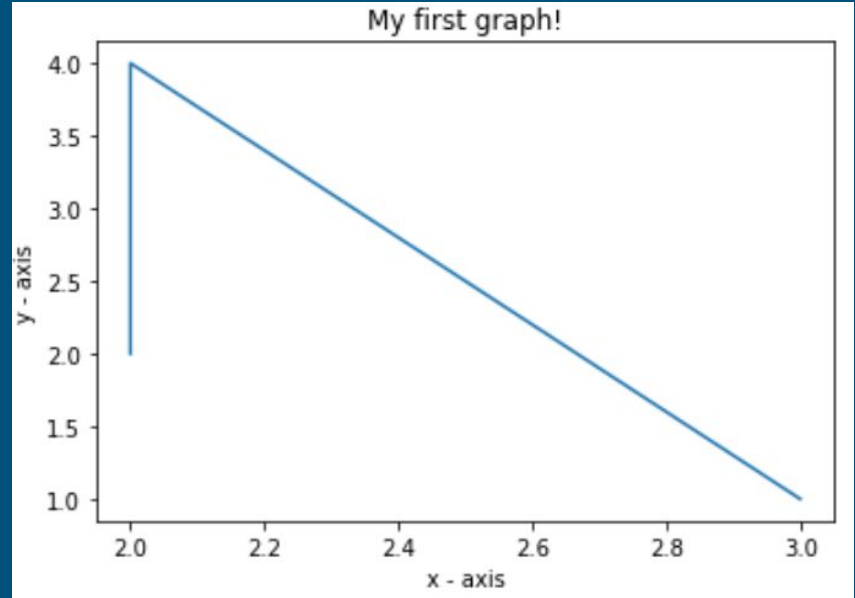
# x axis values
x = [2,2,3]
# corresponding y axis values
y = [2,4,1]

# plotting the points
plt.plot(x, y)

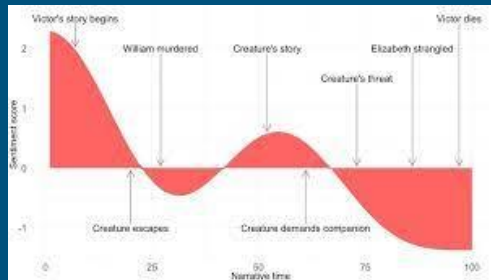
# naming the x axis
plt.xlabel('x - axis')
# naming the y axis
plt.ylabel('y - axis')

# giving a title to my graph
plt.title('My first graph!')

# function to show the plot
plt.show()
```



Conclusion



CONCLUSION

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Image 10.10.1010
Image 10.10.1010



Questions



References

<https://www.youtube.com/watch?v=yZTBMMdPOww>

<https://www.youtube.com/watch?v=3Xc3CA655Y4>

<https://www.youtube.com/watch?v=cTJBjH8hacc>