Programming Basics
Libraries

DISCUSSION

What comes to mind when you think of a library?

Vocabulary

- In programming, a **library** provides a programmer with a group of related pre-programmed methods that the programmer can call to do things.

Newspaper 3k

- We will be using a library called "newspaper3k"

- Newspaper3k is a library with methods around reading, summarizing, and finding the sentiment of newspaper articles.

- You can look at documentation about how to use newspaper3k if you have any questions on it's functionality. Most libraries (more specifically the generous people who wrote the libraries and the corresponding documentation) will offer this for you.

ACTIVITY SLIDE

Sometimes, you will have to install the library on your computer, or in this case or
to your Collab notebook. To do that,

1. Open a new Python3 notebook

2. Install the newspaper3k library to your Collab Notebooks:

    ○ Click "+Code"

    ○ Type `!pip install newspaper3k`

3. Click Run.

This will take longer than usual, as you see progress on all the things it is
loading.

ACTIVITY SLIDE

Now that you've downloaded all the things you need, you need to tell this program what part of the library to download

1. Click +Code
2. Type `from newspaper import Article`. This means to take only the methods and things from `Article` and let you use it in this program.