This assignment will give you a chance to do a few important analytical tasks.  As with Homework 3, I am looking for complete program.

**There are two parts below, do them both**.

* Design and implement a system that takes a webpage URL as input.  The program will read the page and extract the important text (news story, blog post, etc.) from the page’s source.  Writing a program that can do this for any webpage is a major undertaking, so we will just focus on a single page.  You can hard-code the link into the program.  Basically, you want to turn something like this:

               into this:

Anyone wanting to stream YouTube videos through a Chromecast currently has to visit YouTube's website or run one of its mobile apps. Viewers may soon have more options, though, as Google has confirmed to GigaOM that it's publicly testing Chromecast support for embedded YouTube clips on third-party web pages. Right now, access is random at best -- the "send to" button only appears some of the time, and might not be available to everyone. The company says it's monitoring feedback from these experiments, however, and it could offer embedded video support to more Chromecast owners if all goes well.

          Take this text and store it in the program to use in the next step.

* Take the important text that you extracted from the page and submit it to the [Alchemy API](http://www.alchemyapi.com/) for analysis.  Specifically, obtain the Ranked Keywords.  Once you have the keywords, print to the console the top ten results.  Below are the detailed steps:

1. [Get an API key](http://www.alchemyapi.com/api/register.html) from Alchemy.  If you really don't want to sign-up, let me know (I’ll lend you a key).
2. [Download the Python SDK](http://www.alchemyapi.com/developers/sdks/) from the site.
3. Look at the example provided in the SDK.
4. Import the Alchemy module into your code.
5. Call the function to get Ranked Keywords.
6. The result will be in XML.  Process that XML and get the top ten keywords, and their relevance.
7. Print those results to the console.

This assignment is a bit more involved, so you will have up to two weeks to complete it.  The due date is October 1st.