

# CSE 7320 A10

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## Part One: Program Code

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```
1  import bs4
2  from bs4 import BeautifulSoup
3  import numpy as n
4  import pandas as pd
5  from os import path
6
7  from PIL import Image
8  from wordcloud import WordCloud, STOPWORDS, ImageColorGenerator
9  import requests
10 import matplotlib.pyplot as plt
11 import re
12
13 file = open("blogpage.html", "r")
14 blogtext = file.read()
15
16 #remove the <script>
17 def cleanscripts(raw_html):
18     cleaner = re.compile('<s.+?script>')
19     cleantext = re.sub(cleaner, '', raw_html)
20     return cleantext
21
22 blogtext = cleanscripts(blogtext)
23
24 #remove all the tags
25 def cleantags(raw_html):
26     cleaner = re.compile('<.*?>')
27     cleantext = re.sub(cleaner, '', raw_html)
28     return cleantext
29
30 blogtext = cleantags(blogtext)
31
```

```

32 #clean "\n"
33 def cleann(raw_html):
34     cleaner = re.compile('\n')
35     cleantext = re.sub(cleaner, '', raw_html)
36     return cleantext
37
38 blogtext = cleann(blogtext)
39
40 #clean non-relevant words: for more see
41 def clean_not_relevant(raw_html):
42     cleaner = re.compile('For more see:')
43     cleantext = re.sub(cleaner, '', raw_html)
44     return cleantext
45
46 blogtext = clean_not_relevant(blogtext)
47
48 soup = BeautifulSoup(blogtext, "lxml")
49 htmlwords = soup.get_text(strip=False)
50 print(htmlwords)
51
52 wordcloud = WordCloud(max_font_size=50, max_words=10,
53                       background_color="pink").generate(htmlwords)
54
55 plt.imshow(wordcloud, interpolation='bilinear')
56 plt.axis("off")
57 plt.show()

```

## Part Two: Final String

The Best Artificial Intelligence Blogs

**OpenAI**The AI researchers at the non-profit AI research company OpenAI are working hard to help us all understand the power of AI as well as the issues that society must work through on this fascinating topic. An important nuance, they seek to enact the path to safe artificial general intelligence. [OpenAI.com](https://openai.com)

**The a16z AI Playbook**This is not as frequently updated as a blog but it is such a tremendous resource it belongs high on our list. They bring insights on AI topics with a special focus on the creators who are building AI solutions. [The a16z AI Playbook](https://a16z.com)

**Artificial Intelligence Blog**They cover AI news, research, books, and thought leaders in the industry. Track for insights into companies and conferences as well. [Artificial-Intelligence.blog](https://artificial-intelligence.blog)

**Machine Learning Mastery**Dr. Jason Browlee is a respected practitioner and master of machine learning and he writes for others seeking to really excel at machine learning. Since his focus is on the people who can really execute the blog gets technical, but it is still understandable for the non-technical person who needs to track the big issues. [Machine Learning Mastery](https://machinelearningmastery.com)

**The Algorithmia Blog**The blog at Algorithmia shares insights, tips and best practices from a team

with proven machine learning and data analytics chops. Algorithmia BlogAI TrendsAI trends seeks out and reports on the latest trends in AI for the enterprise, AI research, AI vendors and conferences, including their AI world conference. AITrendsCTOVisionWith a focus on the enterprise CTO, CISO and Chief Data Officer, CTOvision tackles many relevant AI topics including how AI will transform the enterprise. CTOvisionMachine LearningsArticles span from the very technical to the very non-technical and their insights are great for all parts of that spectrum. MachineLearningsMIT News AI SiteMIT News has a special section on AI that captures the latest research and reporting from the academia/education community. MIT NewsData Robot BlogThe firm was established by some of the most highly capable data scientists in the world and their blog provides insights on trends and news we should all track. DataRobot BlogCloudera Vision BlogCloudera provides a platform for all data use cases and workloads including machine learning and artificial intelligence. Cloudera Vision Blog Did we miss one of your favorite blogs on AI? Have inputs for us on the list? Reach us on Twitter at @ThingsCyber or via our Contact Page.And for more on AI see:

## Part Three: Screen Capture



Screen Capture