Final Project - Word Cloud

```
import wordcloud
import numpy as np
from matplotlib import pyplot as pyplot
from IPython.display import display
import io
import sys
```

```
file = open('/content/wise_and_otherwise.txt','r')
file_contents = file.read()
```

```
def calculate_frequencies(file_contents):
  punctuations = '''!()-[]{};:'"\,<>./?@#$%^&*_~'''
  uninteresting_words = ["the", "a", "to", "if", "is", "it", "of", "and", "or", "an", "as"
    "we", "our", "ours", "you", "your", "yours", "he", "she", "him", "his", "her", "hers",
    "their", "what", "which", "who", "whom", "this", "that", "am", "are", "was", "were", "
    "have", "has", "had", "do", "does", "did", "but", "at", "by", "with", "from", "here",
    "all", "any", "both", "each", "few", "more", "some", "such", "no", "nor", "too", "very
  new_file_contents = "".join((char if char.isalpha() else " ") for char in file_contents)
  filter  = [word for word in new_file_contents if word not in list(punctuations) + uninte
  frequencies = {word: file_contents.count(word) for word in filter}

    #wordcloud
  cloud = wordcloud.WordCloud()
  cloud.generate_from_frequencies(frequencies)
  return cloud.to_array()
```

```
myimage = calculate_frequencies(file_contents)
pyplot.imshow(myimage, interpolation = 'nearest')
pyplot.axis('off')
pyplot.show()
```