



Daffodil
International
University

Lab Report

Course Title: Object Oriented Programming Lab

Course Code: CSE 221

Experiment Name: WordCloud Python

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Cloud Word Generate In Python

This code demonstrates how to create a word cloud using a mask image, reading text from a file, and customizing the word cloud's appearance. Below is an analysis of each component and how it contributes to the functionality.

The Main Code In Python:

```
from wordcloud import WordCloud
import matplotlib.pyplot as plt
import numpy as np
from PIL import Image

mask_image = np.array(Image.open('jisan.png'))

with open('CSE_64_K.txt', 'r', encoding='utf-8') as file:
    text = file.read()

wordcloud = WordCloud(
    mask=mask_image,
    contour_color='#2A3439',
    contour_width=2,
    background_color='black',
    width=800, height=800,
    max_words=500,
    colormap='coolwarm'
).generate(text)

plt.figure(figsize=(50, 50))
plt.imshow(wordcloud, interpolation='bilinear')
plt.axis('off')
plt.show()
```

The Output:

