



Daffodil
International
University

ASSIGNMENT

Course Code: **CSE221**

Course Title: Object Oriented Program

Submitted To:

Shahriar Hossain Shanto

Department of CSE

Daffodil International University

Submitted By:

Name: **Mahir Faisal Sowud**

ID: **0242310005101273**

Section: **64_J**

Department of CSE

Daffodil International University

Code:

```
from wordcloud import WordCloud, STOPWORDS ,  
ImageColorGenerator  
import pandas as pd  
import matplotlib.pyplot as plt  
from PIL import Image  
import numpy as np  
  
stopwords = set(STOPWORDS)  
mask = np.array(Image.open('Mahir.jpg'))  
  
data_file = pd.read_csv('text.csv')  
  
wordcloud = WordCloud(stopwords = stopwords , width=1600 ,  
height=800,mask=mask,background_color="black",colormap="Set3").g  
enerate("".join(data_file['text']))  
  
background_image = Image.open('DIU1.png')  
background_array = np.array(background_image)  
  
plt.figure(figsize=(10, 10))  
plt.imshow(background_array, interpolation='bilinear')  
plt.imshow(wordcloud, interpolation='bilinear', alpha=0.7)  
plt.axis('off')  
plt.show()
```

Output:

