

```
from google.colab import drive
drive.mount('/content/drive')
```

```
Drive already mounted at /content/drive; to attempt to forcibly remount, call drive.mount("/content/drive", force_remount=True).
```

```
!ls /content/drive/MyDrive/SpamFilter/Results/
```

```
frequency.csv  results.txt  wordslist.csv
```

```
!pip install -r /content/drive/MyDrive/SpamFilter/requirements.txt
```

```
Requirement already satisfied: pandas==2.1.0 in /usr/local/lib/python3.10/dist-packages (from -r /content/drive/MyDrive/SpamFilter/requirements.txt)
Requirement already satisfied: cvxopt==1.3.1 in /usr/local/lib/python3.10/dist-packages (from -r /content/drive/MyDrive/SpamFilter/requirements.txt)
Requirement already satisfied: matplotlib==3.7.0 in /usr/local/lib/python3.10/dist-packages (from -r /content/drive/MyDrive/SpamFilter/requirements.txt)
Requirement already satisfied: prettytable==3.8.0 in /usr/local/lib/python3.10/dist-packages (from -r /content/drive/MyDrive/SpamFilter/requirements.txt)
Requirement already satisfied: nltk==3.8.1 in /usr/local/lib/python3.10/dist-packages (from -r /content/drive/MyDrive/SpamFilter/requirements.txt)
Requirement already satisfied: numpy>=1.22.4 in /usr/local/lib/python3.10/dist-packages (from pandas==2.1.0->-r /content/drive/MyDrive/SpamFilter/requirements.txt)
Requirement already satisfied: python-dateutil>=2.8.2 in /usr/local/lib/python3.10/dist-packages (from pandas==2.1.0->-r /content/drive/MyDrive/SpamFilter/requirements.txt)
Requirement already satisfied: pytz>=2020.1 in /usr/local/lib/python3.10/dist-packages (from pandas==2.1.0->-r /content/drive/MyDrive/SpamFilter/requirements.txt)
Requirement already satisfied: tzdata>=2022.1 in /usr/local/lib/python3.10/dist-packages (from pandas==2.1.0->-r /content/drive/MyDrive/SpamFilter/requirements.txt)
Requirement already satisfied: contourpy>=1.0.1 in /usr/local/lib/python3.10/dist-packages (from matplotlib==3.7.0->-r /content/drive/MyDrive/SpamFilter/requirements.txt)
Requirement already satisfied: cycler>=0.10 in /usr/local/lib/python3.10/dist-packages (from matplotlib==3.7.0->-r /content/drive/MyDrive/SpamFilter/requirements.txt)
Requirement already satisfied: fonttools>=4.22.0 in /usr/local/lib/python3.10/dist-packages (from matplotlib==3.7.0->-r /content/drive/MyDrive/SpamFilter/requirements.txt)
Requirement already satisfied: kiwisolver>=1.0.1 in /usr/local/lib/python3.10/dist-packages (from matplotlib==3.7.0->-r /content/drive/MyDrive/SpamFilter/requirements.txt)
Requirement already satisfied: packaging>=20.0 in /usr/local/lib/python3.10/dist-packages (from matplotlib==3.7.0->-r /content/drive/MyDrive/SpamFilter/requirements.txt)
Requirement already satisfied: pillow>=6.2.0 in /usr/local/lib/python3.10/dist-packages (from matplotlib==3.7.0->-r /content/drive/MyDrive/SpamFilter/requirements.txt)
Requirement already satisfied: pyparsing>=2.3.1 in /usr/local/lib/python3.10/dist-packages (from matplotlib==3.7.0->-r /content/drive/MyDrive/SpamFilter/requirements.txt)
Requirement already satisfied: wcwidth in /usr/local/lib/python3.10/dist-packages (from prettytable==3.8.0->-r /content/drive/MyDrive/SpamFilter/requirements.txt)
Requirement already satisfied: click in /usr/local/lib/python3.10/dist-packages (from nltk==3.8.1->-r /content/drive/MyDrive/SpamFilter/requirements.txt)
Requirement already satisfied: joblib in /usr/local/lib/python3.10/dist-packages (from nltk==3.8.1->-r /content/drive/MyDrive/SpamFilter/requirements.txt)
Requirement already satisfied: regex>=2021.8.3 in /usr/local/lib/python3.10/dist-packages (from nltk==3.8.1->-r /content/drive/MyDrive/SpamFilter/requirements.txt)
Requirement already satisfied: tqdm in /usr/local/lib/python3.10/dist-packages (from nltk==3.8.1->-r /content/drive/MyDrive/SpamFilter/requirements.txt)
Requirement already satisfied: six>=1.5 in /usr/local/lib/python3.10/dist-packages (from python-dateutil>=2.8.2->pandas==2.1.0->-r /content/drive/MyDrive/SpamFilter/requirements.txt)
```

```
!python3 /content/drive/MyDrive/SpamFilter/svm_implementation.py
```

```
Done : 1
Done : 2
Done : 3
Done : 4
Done : 5
Done : 6
Done : 7
Done : 8
Done : 9
Done : 10
Done : 11
Done : 12
Done : 13
Done : 14
Done : 15
Done : 16
Done : 17
Done : 18
Done : 19
Done : 20
Done : 21
```