Experiment 5

Aim:

Write a program to evaluate frequency distribution of each word in a text file and plot the frequency graph for it.

Theory:

The program reads from a text file and tokenizes it into words, counting the occurrences of each word.

To visualise this information, the program generates a frequency graph with words on the x axis and their respective frequencies on the y axis.

Flowchart:

Start

Download NLTK
Read Contents
Tokenize

For Each Word

Check if preprocessed word is in freq_dist
If present, increase frequency
if absent, add word with frequency 1

Create Bar Chart

Set size 12*8
x axis → "words", y axis → "frequency"
Title → "Frequency Distribution"
Rotate x axis label by 60 degree

Display Bar Chart

End