**Dataset’s Word count code:**

import pandas as pd

from collections import defaultdict

file\_path = 'C:/Users/HP/Desktop/PYTHON/Dataset.csv'

dataset = pd.read\_csv(file\_path)

all\_text = dataset.astype(str).apply(' '.join, axis=1).str.cat(sep=' ')

def map\_function(text):

    words = text.split()

    word\_pairs = [(word.lower(), 1) for word in words]

    return word\_pairs

def reduce\_function(mapped\_data):

    word\_count = defaultdict(int)

    for word, count in mapped\_data:

    word\_count[word] += count

    return word\_count

def word\_count(text):

    mapped\_data = map\_function(text)

    word\_count\_result = reduce\_function(mapped\_data)

    return word\_count\_result

word\_count\_result = word\_count(all\_text)

word\_count\_df = pd.DataFrame(word\_count\_result.items(), columns=['Word', 'Count'])

word\_count\_df.to\_csv('word\_count\_output.csv', index=False)

print("Word count saved to 'word\_count\_output.csv'")

**Output:**

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