Question 16:

Scenario: You are working on a project that involves analyzing customer reviews for a product.

You have a dataset containing customer reviews, and your task is to develop a Python program that

calculates the frequency distribution of words in the reviews.

Question: Develop a Python program to calculate the frequency distribution of words in the

customer reviews dataset?

Answer

import pandas as pd

from collections import Counter

import re

df = pd.read\_csv(r"D:\datasets\dataset 2.0.csv", encoding="ISO-8859-1")

text = ' '.join(df['review\_text'].astype(str).tolist())

tokens = re.findall(r'\b\w+\b', text.lower())

word\_freq = Counter(tokens)

print("Top 10 most frequent words:")

for word, freq in word\_freq.most\_common(10):

print(f"{word}: {freq}")

Output

