Pro1:

!pip install gensim

import os

import gensim.downloader as api

import numpy as np

import matplotlib.pyplot as plt

from sklearn.decomposition import PCA

from gensim.models import KeyedVectors

from google.colab import drive

prog2:

!pip install gensim

import os

import gensim.downloader as api

import numpy as np

import matplotlib.pyplot as plt

from sklearn.decomposition import PCA

from gensim.models import KeyedVectors

from sklearn.metrics.pairwise import cosine\_similarity

from google.colab import drive

prog3:

from gensim.models import Word2Vec

from gensim.models.phrases import Phrases, Phraser

import matplotlib.pyplot as plt

from sklearn.decomposition import PCA

!pip install gensim

Prog4:

%pip install numpy

%pip install scipy

%pip install gensim

import os

!pip install gensim

import gensim.downloader as api

from gensim.models import KeyedVectors

from google.colab import drive

import getpass

import os

%pip install langchain-google-genai

%pip install langchain-core

%pip install langchain-community

%pip install -qU langchain-google-genai

%pip install --upgrade langchain

from langchain\_google\_genai import ChatGoogleGenerativeAI

prog5:

!pip install -q langchain-google-genai gradio

from langchain\_google\_genai import ChatGoogleGenerativeAI

from langchain\_core.messages import HumanMessage

import gradio as gr

import getpass

import io

prog6:

from google.colab import drive

drive.mount('/content/drive')

import os

!pip install transformers pandas --quite

import pandas as pd

from transformers import pipeline,AutoTokenizer,AutoModelForSequenceClassification

model\_name = "distilbert-base-uncased-finetuned-sst-2-english"

prog7:

!pip install transformers sentencepiece --quiet

from transformers import pipeline

from google.colab import drive

import os

prog8:

!pip install langchain cohere langchain-community langchain-cohere –quiet

from langchain import PromptTemplate

from langchain\_community.llms import Cohere

from google.colab import drive

import os

from getpass import getpass