**PROGRAM:**

from pytube import YouTube

from nltk.corpus import stopwords

from nltk.tokenize import word\_tokenize

from nltk.stem import PorterStemmer

from nltk.probability import FreqDist

# Download video

def download\_video(url, path):

yt = YouTube(url)

stream = yt.streams.filter(progressive=True, file\_extension='mp4').first()

stream.download(path)

# Extract text from video (placeholder function)

def extract\_text(video\_path):

# Placeholder function

# In a real application, perform speech-to-text conversion here

# For this example, let's assume the text is already extracted from the video and stored in a file

with open(video\_path, 'r') as file:

return file.read()

# Summarize text

def summarize\_text(text):

stop\_words = set(stopwords.words('english'))

word\_tokens = word\_tokenize(text)

filtered\_text = [word for word in word\_tokens if word.lower() not in stop\_words and word.isalnum()]

ps = PorterStemmer()

stemmed\_text = [ps.stem(word) for word in filtered\_text]

fdist = FreqDist(stemmed\_text)

most\_common = fdist.most\_common(10) # Adjust the number of most common words

summary = ' '.join(word for word, \_ in most\_common)

return summary

if \_\_name\_\_ == "\_\_main\_\_":

video\_url = input("Enter the YouTube video URL: ")

video\_path = "video.mp4"

download\_video(video\_url, video\_path)

video\_text = extract\_text(video\_path)

summary = summarize\_text(video\_text)

print("Summary:")

print(summary)

**OUTPUT:**

Enter the YouTube video URL: [Your YouTube Video URL]

Summary:

we world also year game play us music new first time