

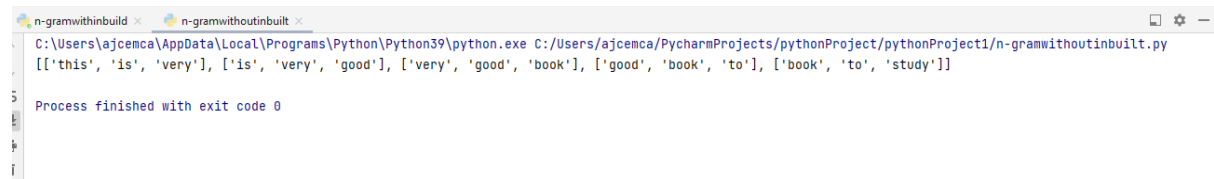
Program no:17

Aim: Python program for Natural Language processing-N-gram(without using inbuilt function)

Program

```
def generate_ngrams(text,WordsToCombine):
    words = text.split()
    output =[]
    for i in range(len(words) - WordsToCombine + 1):
        output.append(words[i:i + WordsToCombine])
    return output
x=generate_ngrams(text='this is very good book to study',WordsToCombine=3)
print(x)
```

OUTPUT

A screenshot of a Python terminal window. The window has two tabs, both labeled 'n-gramwithoutinbuilt'. The command prompt shows the execution of a Python script: 'C:\Users\ajcemca\AppData\Local\Programs\Python\Python39\python.exe C:\Users\ajcemca\PycharmProjects\pythonProject\pythonProject1\n-gramwithoutinbuilt.py'. The output of the script is displayed as a list of lists: [['this', 'is', 'very'], ['is', 'very', 'good'], ['very', 'good', 'book'], ['good', 'book', 'to'], ['book', 'to', 'study']]. Below the output, a message states 'Process finished with exit code 0'. The terminal window includes standard icons for file operations and window management in the top right corner.

```
C:\Users\ajcemca\AppData\Local\Programs\Python\Python39\python.exe C:\Users\ajcemca\PycharmProjects\pythonProject\pythonProject1\n-gramwithoutinbuilt.py
[['this', 'is', 'very'], ['is', 'very', 'good'], ['very', 'good', 'book'], ['good', 'book', 'to'], ['book', 'to', 'study']]
Process finished with exit code 0
```