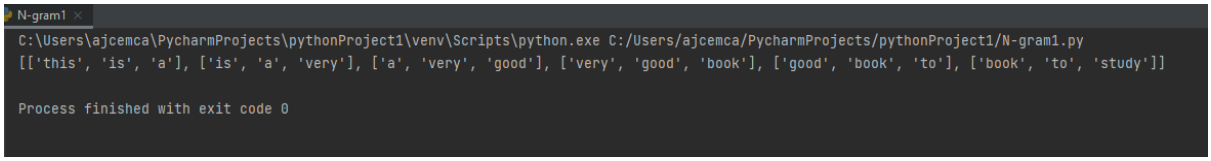
Program No:-18

Aim:python program for natural language processing-N-gram(without using inbuilt function)

Program Code

```
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 a very good book to study', WordsToCombine=3)
print(x)
```

Output



N-gram with inbuilt function

```
import nltk
from nltk.util import ngrams
sampleText = 'this is a very good book to study'
NGRAMS = ngrams(sequence=nltk.word_tokenize(sampleText), n=2)
for grams in NGRAMS:
    print(grams)
```

Output