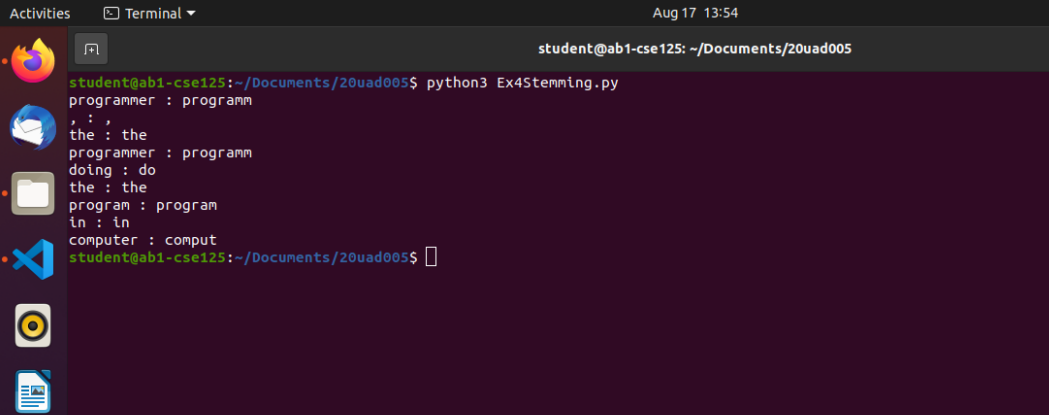


#Ex4Stemming

```
import nltk
from nltk.stem import PorterStemmer
from nltk.tokenize import word_tokenize
ps = PorterStemmer()
sentence = "programmer, the programmer doing the program in computer"
words = word_tokenize(sentence)
for word in words:
    print(word, ":", ps.stem(word))
```

Output:

A screenshot of a Linux terminal window. The title bar shows 'Activities', 'Terminal', and the date 'Aug 17 13:54'. The terminal prompt is 'student@ab1-cse125: ~/Documents/20uad005'. The user has run 'python3 Ex4Stemming.py'. The output shows the words from the sentence 'programmer, the programmer doing the program in computer' being tokenized and then stemmed using Porter's algorithm. The output is: 'programmer : programm', 'the : the', 'programmer : programm', 'doing : do', 'the : the', 'program : program', 'in : in', and 'computer : comput'.

```
student@ab1-cse125: ~/Documents/20uad005
student@ab1-cse125:~/Documents/20uad005$ python3 Ex4Stemming.py
programmer : programm
the : the
programmer : programm
doing : do
the : the
program : program
in : in
computer : comput
student@ab1-cse125:~/Documents/20uad005$
```