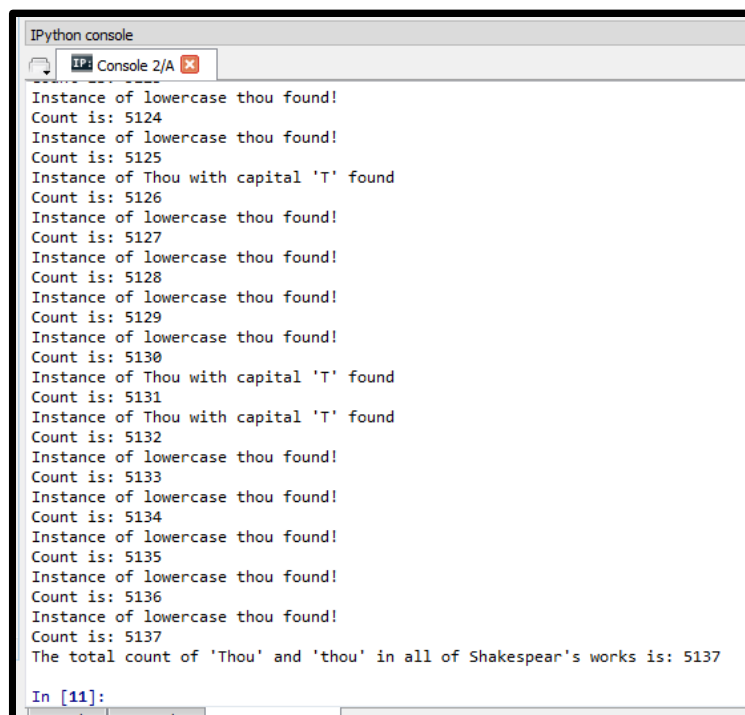# ThouCount.py

```python
print ("This program will count the number of 'Thou' and 'thou' in ")
print ("the works of Shakespeare.")
thefile = open("Shakespeare.txt")
ThouCount = 0

# for each line in the file
for line in thefile:
    # split the line into words
    splitline = line.split()
    # check to see if word is "Thou" or "thou"
    for word in splitline:
        if word == ("thou"):
            print("Instance of lowercase thou found!")
            ThouCount = ThouCount + 1
            print ("Count is:", ThouCount)
        elif word == ("Thou"):
            print ("Instance of Thou with capital 'T' found")
            ThouCount = ThouCount + 1
            print ("Count is:", ThouCount)

print ("The total count of 'Thou' and 'thou' in all of Shakespeare's works
is:", ThouCount)
```

```
IPython console

IP. Console 2/A

Instance of lowercase thou found!
Count is: 5124
Instance of lowercase thou found!
Count is: 5125
Instance of Thou with capital 'T' found
Count is: 5126
Instance of lowercase thou found!
Count is: 5127
Instance of lowercase thou found!
Count is: 5128
Instance of lowercase thou found!
Count is: 5129
Instance of lowercase thou found!
Count is: 5130
Instance of Thou with capital 'T' found
Count is: 5131
Instance of Thou with capital 'T' found
Count is: 5132
Instance of lowercase thou found!
Count is: 5133
Instance of lowercase thou found!
Count is: 5134
Instance of lowercase thou found!
Count is: 5135
Instance of lowercase thou found!
Count is: 5136
Instance of lowercase thou found!
Count is: 5137
The total count of 'Thou' and 'thou' in all of Shakespear's works is: 5137

In [11]:
```