

Enter the text you want to decode in the first line of the next cell. The output will be one big block of text that follows the uppercase convention for encrypted text."

```
1 cipherText = "GUVF VF GUR RAPELCGRQ GRKG LBH JNAG GB QRPBQR"
2
3 cipherText = cipherText.upper()
4
5 print "Message to decipher: " + cipherText + "
6
7 cipherAlphabet = ['A','B','C','D','E','F','G','H','I','J','K','L','M','N','O','P','Q','R','S
8
9 totalChars = float(cipherText.count(""))
10
11 countList = [(letter,float(cipherText.count(letter))/totalChars*100) for letter in cipherAlp
12
13 sortedValues = sorted(countList, key=lambda freq: freq[1], reverse = True)
14
15 for i in sortedValues:
16     print i
```

The following is a frequency table for the english language:coming soon....

Based on this information, we might expect G and R to represent e and t in some order. Based on positions in the text, we guess that $G \leftrightarrow t$ and $R \leftrightarrow e$.