

## Project Explanation

Consider an encryption scheme where each letter in the alphabet is represented by a number. In this code, the letter “a” is represented by 0 and the letters are assigned numbers in sequence to the letter “z” which is represented by the number 25. In this code, the word “bed” would be represented by the numbers: 1,4,3. Your task is to write a Python program that asks the user for a word and produces the numeric code that represents the word. Example run:

**Program to encode a word**

**Enter a word: beaded**

**The code for “beaded” is: 1 4 0 3 4 3**

Note: Do not subscript the string using the `range()` function and an index to access the individual characters in the string. This is NOT the Python way. Instead, use `for c in s:` to access each character (`c`) in the string (`s`) .

## Hints:

1. The string provided by the user should be converted to all lowercase before attempting to generate the code for each letter.
2. Use a `for` loop to traverse the string so each character can be isolated in sequence.
3. Use the `ord()` built-in function to convert each character to the number used by the system to represent it. Then subtract `ord('a')` to find the code number that represents the character.