**1.**

Write a program that takes two inputs; one of them is a list and the other is a number, and returns the list obtained by shifting the elements in the list n places to the right (left) when n is positive (negative). Use wrap-around: if an element is shifted beyond the end of the list, then continue to shift starting at the beginning of the list.

### **Example**

**Inputs>>>** [1, 2, 3, 4, 5], 2

**Output>>>** [4, 5, 1, 2, 3]

**Inputs>>>** [1, 2, 3, 4, 5], -2

**Output>>>** [3, 4, 5, 1, 2]

**2.**

Write a code snippet that inputs a sentence from the user, then uses a nested tuple to summarize the number of occurrences of each letter. Ignore case, ignore blanks and assume the user does not enter any punctuation. Display a two-column table of the letters and their counts with the letters in sorted order.

### **Example**

**Input >>>** "This is a sample text with several words This is more sample text with some different words"

**Output >>>**

(('a', 4), ('d', 3), ('e', 10), ('f', 2), ('h', 4), ('i', 7), ('l', 3), ('m', 4), ('n', 1), ('o', 4), ('p', 2), ('r', 5), ('s', 10), ('t', 9), ('v', 1), ('w', 4), ('x', 2))