

## Practicing Pseudo Code

Using only these pseudo code phrases as well as identifiers and values, try to solve the problems

- Repeat this X times
- Repeat this until X happens
- Print this
- If X is true
- Else
- Define a variable called X with a value of Y
- Define an array called X with a value of Y
- Add X to the array Y
- If X is in Y
- Reply X
- True/False
- Change the value of variable X to Y
- Input X

Problem	Your solution
<p><b>#1</b> You are given a word (e.g. "cabbage") and a letter (e.g. "a").</p> <ul style="list-style-type: none"><li>- Check if the letter is in the word</li><li>- Reply with True or False</li></ul>	
<p><b>#2</b> You are given a word (e.g. "cabbage") and a letter (e.g. "a").</p> <ul style="list-style-type: none"><li>- Count how many times the letter is in the word</li><li>- Reply with the number of times</li></ul>	

**#3**

You are not given any information

- The user must enter a valid letter of the alphabet
- Reply with the letter

**#4**

You are given a word (e.g. "cabbage" and a list of letters (e.g. ["a", "b"])).

- Check whether all of the letters in the word are in the list
- Reply with True or False

**#5**

You are given a word (e.g. "cabbage") and a list of letters (e.g. ["a", "b"])).

- Print only the letters from the word that are in the list
- If a letter is not in the list, print an underscore \_