

CSE 160: Worksheet 1 - if statements

Please try to answer the following questions without running any code initially.

Problem 4

Write if statements to check for the following:

- determine whether a letter is in a given word (use "in") and if it is, print "Found Letter!" otherwise print "Letter Not Found"
- determine whether a number is between 0 and 10 (inclusive) and if it is, print "Valid Number" otherwise print "Invalid"
- determine if a word has more than 3 letters and if it is, print "Long word" otherwise print "Short word"

NOTE: for the first task, you can arbitrarily choose a word and a letter. If you want more of a challenge, write a function that could be used for ANY word and ANY letter.

Problem 5

Write a function that accomplishes the following:

Given two int values, return their sum. However, if the two values are the same, then return double their sum.

Given the following input, your function should return the following output:

```
sum_double(1, 2) → 3
```

```
sum_double(3, 2) → 5
```

```
sum_double(2, 2) → 8
```

In []: