**Name: Session:**

**Programming I**

**Lab Exercise 12/4/2019**

1. Write a function that will return the Scrabble value for the word. Here are the values.

*1 point*: **E**, **A**, **I**, **O**, **N**, **R**, **T**, **L**, **S**, **U**

*2 points*: **D**, **G**

*3 points*: **B**, **C**, **M**, **P**

*4 points*: **F**, **H**, **V**, **W**, **Y**

*5 points*: **K**

*8 points*: **J**, **X**

*10 points*: **Q**, **Z**

Hint: Consider using a Python Dictionary

1. A palindrome is a word that is the same forwards and backwards. For example KAYAK or MADAM are palindromes. Write a function isPalindrome that will return a Boolean value depending on whether the word sent to it is a palindrome or not. Warning, be sure to pay attention to case.
2. Write a function that returns the cumulative sum of a list of numbers; that is a new list where the ith element is the sum of the first i+1 elements from the original list. For example, the cumulative sum of [4, 3, 6] is [4, 7, 13].