

WORD SCORES (10 points possible)

The first step is to implement some code that allows us to calculate the score for a single word. The function `getWordScore` should accept as input a string of lowercase letters (a *word*) and return the integer score for that word, using the game's scoring rules.

[A Reminder of the Scoring Rules](#)

HINTS

- You may assume that the input `word` is always either a string of lowercase letters, or the empty string `""`.
- You will want to use the `SCRABBLE_LETTER_VALUES` dictionary defined at the top of `ps4a.py`. You should not change its value.
- Do **not** assume that there are always 7 letters in a hand! The parameter `n` is the number of letters required for a bonus score (the maximum number of letters in the hand). Our goal is to keep the code modular - if you want to try playing your word game with $n=10$ or $n=4$, you will be able to do it by simply changing the value of `HAND_SIZE`!
- Testing:** If this function is implemented properly, and you run `test_ps4a.py`, you should see that the `test_getWordScore()` tests pass. Also test your implementation of `getWordScore`, using some reasonable English words.

Fill in the code for `getWordScore` in `ps4a.py` and be sure you've passed the appropriate tests in `test_ps4a.py` before pasting your function definition here.

Canopy specific instructions: If you modify code in `ps4a.py` go to

Run -> Restart Kernel (or hit the CTRL with the dot on your keyboard)

before running `test_ps4a.py`. **You have to do this every time you modify the file `ps4a.py` and want to run the file `test_ps4a.py`**, otherwise changes to the former will not be incorporated in the latter.

```
1 def getWordScore(word, n):
2     """
3     Returns the score for a word. Assumes the word is a valid word.
4
5     The score for a word is the sum of the points for letters in the
6     word, multiplied by the length of the word, PLUS 50 points if all n
7     letters are used on the first turn.
8
9     Letters are scored as in Scrabble; A is worth 1, B is worth 3, C is
10    worth 3, D is worth 2, E is worth 1, and so on (see SCRABBLE_LETTER_VALUES)
11
12    word: string (lowercase letters)
13    n: integer (HAND_SIZE; i.e., hand size required for additional points)
14    returns: int >= 0
15    """
16    # TO DO... Remove this comment when you code this function
```

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