

Scrabble Wizard 2

1. Problem Description

In class, we briefly went over the *Scrabble Wizard* which used the `PuzzleSolve` method to find the highest scoring words for a set of letters. You are to create a simpler version of this program. You may start with the code for `ScrabbleWizard`.

Your program is to read a set of letters and produce all the English words that are made up of *all* those letters (not a subset). For example, from the letters “seart”, we should find the following English words: stare, aster, rates, tears, and tares.

2. Notes

- Do not create these classes in a package. For Eclipse, this means using the *default* package.
- Turn in only your Java source file `ScrabbleWizard2.java`.

3. Required Main Class

`ScrabbleWizard2`

4. Required Input

A set of letters with no spaces. The set may contain duplicate letters. Duplicate letters will result in duplicate solutions. This is acceptable.

5. Required Output

Your output should look like the following examples. It must include your name (input is in **GREEN**).

Run #1:

```
Scrabble Wizard 2 - Your Name

Letters: seart
stare
aster
rates
tears
tares
```

Run #2:

```
Scrabble Wizard 2 - Your Name

Letters: assert
assert
asters
assert
asters
stares
stares
```

Run #3:

```
Scrabble Wizard 2 - Your Name

Letters: aghilmorst
```

You should get two answers related to this class. What are they?