# StringConversion

**Use your StringsProjects project, create a new class StringConversion.**

**StringConversion Method 1. isVowel**

Create a method that receives a char, and returns if that character is a vowel or not.

**public static boolean isVowel(char input)**

**StringConversion Method 2. Shorthand**

Create a method that receives a String and returns the String converted into shorthand. The simplified shorthand form of a string is defined as follows:

* replace these four words: "and" with "&", "to" with "2", "you" with "U", and "for" with "4".
* remove all vowels ('a', 'e', 'i', 'o', 'u', whether lowercase or uppercase)

**public static String shortHand(String input)**

**StringConversion Method 3. isVowelInWord**

Create a method that receives a String, and returns if there is a vowel anywhere in a String.

**public static boolean isVowelInWord(String input)**

**StringConversion Method 4. PigLatin**

Create a method that receives a String, converts the String to Pig Latin, and returns the new Pig Latinated word. There may be multiple words in your String, so you will need to have a recursive function that breaks down the String into single words and then reconstructs the sentence in Pig Latin. Here's how to translate the English word englishWord into the Pig Latin word pigLatinWord:

1. If there are no vowels in englishWord, then pigLatinWord is just englishWord + "ay". (There are ten vowels: 'a', 'e', 'i', 'o', and 'u', and their uppercase counterparts. ‘y’ is not considered to be a vowel for the purposes of this assignment, i.e. my becomes myay, why becomes whyay, etc.)
2. Else, if englishWord begins with a vowel, then pigLatinWord is just englishWord + "yay".

c. Otherwise (if englishWord has a vowel in it and yet doesn't start with a vowel), then pigLatinWord is end + start + "ay", where end and start are defined as follows:

1. Let start be all of englishWord up to (but not including) its first vowel.

2. Let end be all of englishWord from its first vowel on.

# "astahay alay istavay, abybay." - The Piglatinator

**public static String pigLatin(String input)**

**StringTester Method 1. Main Method**

**shorthand("Good day to you and you!** **")**

**shorthand("What could you do for you?** **")**

**pigLatin("sdgfhjkl")**

**pigLatin("Advanced")**

**pigLatin("Computer")**