

Week 4 Reflection

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1. Walk through the code and explain how it works. If you encounter a loop, explain what condition it is checking, and what actions it performs in each iteration. the loop would be nested as to check the words and see if it equates to anything in the array it will grab the pirate for it and add it to the pirate string
2. Explain the purpose of the translateEnglish2Pirate method. What does it take as input, and what does it output?
The translateEnglish2Pirate method is supposed to return a string being the pirate string.
3. What other methods did you need to write for this assignment? What do the methods do?
One other, Hashmap, creates a hashmap of all the translated text.
4. Why might you use the StringBuilder class used to build the pirate sentence? Could an alternative method have been used to achieve the same result?
StringBuilder can be modified after it is initialized, so we can add each translated word into the StringBuilder one at a time. The translated words could have been placed in an arraylist one at a time.

5. How is the Scanner class used for string parsing? Describe how it reads the input sentence and breaks it into individual words.
6. How did you test the functionality of your program? Did you create specific test cases? If so, what were they?
Using the system.in scanner we typed in a variety of phrases to see if everything translated correctly. Yes, special test cases for punctuation.
7. If you were to extend this program to handle more complex translations, such as phrases instead of individual words, what changes would you make? Not many just allowing it to check more extensively
8. How would you modify the program to handle punctuation marks appropriately while keeping the words intact for translation?
Yes for when one shows up to add to the pirate string