Programming Assignment 3
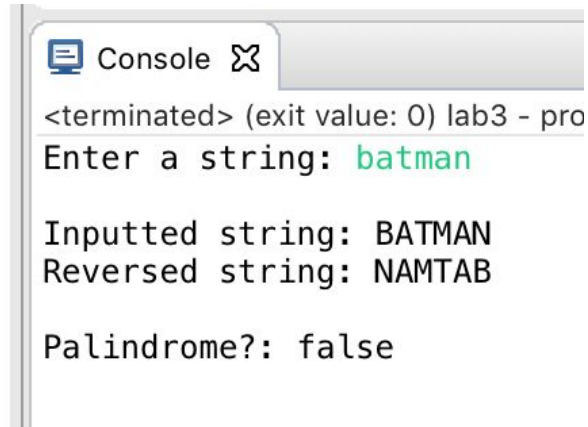
1. Palindrome Algorithm
   a. *The sample input (batman) is printed as it was when entered and as it is when reversed. The result is not a palindrome and therefore the program shows "palindrome?: false".*
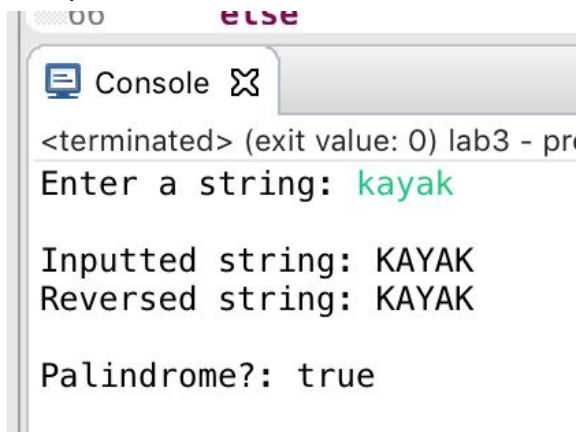
   ```
   Console ⊠
   <terminated> (exit value: 0) lab3 - pro
   Enter a string: batman

   Inputted string: BATMAN
   Reversed string: NAMTAB

   Palindrome?: false
   ```

   b. *The sample input (kayak) is printed as it was when it was inputted and as it is when it was reversed. The result is a palindrome and therefore the program shows "palindrome?: true".*

   ```
   else
   Console ⊠
   <terminated> (exit value: 0) lab3 - pro
   Enter a string: kayak

   Inputted string: KAYAK
   Reversed string: KAYAK

   Palindrome?: true
   ```