Credit Name: CSE2140 2nd Language Programming		
Assignment Name: Palindrome Mastery		
How has your program changed from planning to coding to now? Please explain?		
Declared a string variable for the phrase the user will input, an int variable that will be the length of the phrase,	, a char array	
and a boolean that is true.		
<pre>public static void main(String[] args) {</pre>		
// TODO Auto-generated method stub		
//Declaration area		
String phrase;		
int length;		
<pre>char[] letters;</pre>		
<pre>boolean isPalindrome = true;</pre>		
Prepared for user input		
//Prepare for user input		
Scanner userInput = new Scanner(System.in);		
Prompted user to input a string and initialized it.		
//Prompt user		
System.out.println("Please enter a string:");		
phrase = userInput.nextLine();		
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Removed all the spaces and punctuation from the string.		
<pre>//Removing spaces and punctuation phrase = phrase.replaceAll("\\W", "");</pre>		
pilitase - pilitase. replaceAll(\\W ,),		
Changed all the characters into uppercase and turned the string into a char array.		
//Separates characters		
<pre>phrase = phrase.toUpperCase();</pre>		
letters = phrase.toCharArray();		

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Figured out the array length.
 //String length
 length = letters.length - 1;
Used a for loop to loop until the counter is greater than the length of the array. Compared the characters in the array, if
it was not equal to each other, the loop would break and return false.
//Loops until counter is greater than length
for (int i = 0; i < length; i++) {</pre>
     //Compares characters
     if (letters[i] != letters[length]) {
          isPalindrome = false;
          break;
     length--;
If it did not return false(stayed true), display that it is a palindrome, else display that it is not a palindrome.
//Display answer
if (isPalindrome) {
    System.out.print("This string is a palindrome.");
}
else {
    System.out.print("This string is not a palindrome.");
```