Reflection Logs

Credit name: Chapter 9
Assignment Name: Mastery - Palindrome

```
System.out.print("Enter the string: "); //Ask user for the String input//
String userString = userinput.nextLine(); //Get the user String//
```

Prompts the users for the input string.

```
userString = userString.replaceAll("\\s+", "").toUpperCase();
char[] lettersInsideString = userString.toCharArray();
```

Make the user's input string all uppercase and ignore all the space contained in the string. And use the .toCharArray() method to separate the characters inside the user's input string into a char array.

```
int length = userString.length();
char[] lettersPalindrome = new char[length];
```

Use the .length() method to determine the length of the user's String in order to create a palindrome array using the length as the number of indexes.

```
int lengthofArray = lettersInsideString.length - 1;
for (int i = 0; i<length; i++ ) {
    lettersPalindrome[i] = lettersInsideString[lengthofArray];
    lengthofArray --;                    //Set the characters
}
```

Set the characters from the user's string but in the reverse order

```
String palindrome = String.valueOf(lettersPalindrome);
if (userString.equals(palindrome)) {
    System.out.print("Your string is palindrome. ");
}
else {
    System.out.print("Your string is not palindrome. ");
}
```

Set the lettersPalindrome turn into the string. And then put the user's input string with the found palindrome string into the if and else if statement to compare if these two strings are similar or not.