

Week 2 Exercise 2

What I think will print:

Enter your first and last name, separated by a space (i.e. John Smith):
(Then it will prompt you to type your name in the CMD terminal)
(Once your first and last name are entered it will then print this:)

Your first name is aide
Your last name is Pollesch
Your initials are a.P.

What it was:

```
polleschk@AAD-PF4EEF8X: ~$ java Exercise2.java
Enter your first and last name, separated by a space (i.e. John Smith): Kaiden Pollesch
Your first name is aide
Your last name is Pollesch
Your initials are a. .
polleschk@AAD-PF4EEF8X:~$ |
```

The code that is causing the error is in the last name first initial it is trying to pull character "0" but character "0" is a space so it is thinking that the first initial of my last name is a space. So by making the character that it pulls character "1", it will then decide to pull the first letter of my last name. giving me the output of, this is the output.

```
System.out.println("Your initials are " + firstName.charAt(0) + "." + lastName.charAt(1) + ".");
polleschk@AAD-PF4EEF8X:~$ java Exercise2.java
Enter your first and last name, separated by a space (i.e. John Smith): Kaiden Pollesch
Your first name is aide
Your last name is Pollesch
Your initials are a.P.
polleschk@AAD-PF4EEF8X:~$ |
```

After this I think that it was not supposed to print out my first name without the first and last letters, so I had to remove the -1, and the 1 changed to 0.

```
firstName = name.Substring (1, spaceIndex-1)
firstName = name.Substring (0, spaceIndex)
```

```
GNU nano 6.2 Exercise2.java
/*
 * Course: CSC1110
 * Debugging Exercise
 * Fall 2023
 */

import java.util.Scanner;

/**
 * The following code is syntactically correct, meaning that it will
 * compile and run, but the output will not match what is expected.
 */
public class Exercise2 {
    public static void main(String[] args) {
        Scanner in = new Scanner(System.in);
        System.out.print("Enter your first and last name, separated by a space (i.e. John Smith): ");
        String name = in.nextLine();
        int spaceIndex = name.indexOf(' ');
        String firstName = name.substring(0, spaceIndex);
        String lastName = name.substring(spaceIndex);
        System.out.println("Your first name is " + firstName);
        System.out.println("Your last name is " + lastName);
        System.out.println("Your initials are " + firstName.charAt(0) + "." + lastName.charAt(1) + ".");
    }
}
```

So by changing that one thing it will give me my complete first and complete last name. Then it will correctly print out my first and last initial.

```
polleschk@AAD-PF4EEF8X: ~ × + ▾  
polleschk@AAD-PF4EEF8X:~$ java Exercise2.java  
Enter your first and last name, separated by a space (i.e. John Smith): Kaiden Pollesch  
Your first name is Kaiden  
Your last name is Pollesch  
Your initials are K.P.  
polleschk@AAD-PF4EEF8X:~$ |
```