

1. Write a program that accepts and analyzes a person's first and last names as shown by the following program output.

Sample Output:

Enter your first name: James

Enter your last name: Bond

Hello James Bond.

Your first name has 5 letters.

Your last name has 4 letters.

Your initials are JB or jb.

Your first name spelled backwards is: semaj

2. Write a class `TextModifier` to be used with the program shown below to produce the output shown.

```
public class TextModifierDemo
{
    public static void main( String[] args )
    {
        TextModifier wordy = new TextModifier();
    }
}
```

Sample output:

Enter a line of text: Mr. Dominguez has awesome hair.

You entered:

Mr. Dominguez has awesome hair.

0123456789012345678901234567890

Enter the index of the first letter of the word you want to replace: 18

Enter the index of the last letter of the word you want to replace: 24

The word you want to replace is: awesome

Enter the new word: beautiful and silky

The new text is:

Mr. Dominguez has beautiful and silky hair.

3. Write a program that reads your first name and displays your name with stars separating each letter.

Sample Output:

Enter your name: spencer

Your name is s*p*e*n*c*e*r

4. Write a program that determines how many of each letter a name has.

Sample Output:

Hello! Please enter your first name.

Howdy

Thank you. Now enter your last name.

Doody

Your first name is Howdy, and your last name is Doody.

WHAT A NICE NAME YOU HAVE!!

Your first name contains 5 letters,
and your last name contains 5 letters.

Your initials are: H D

Your name contains:

3 d's

1 h

3 o's

1 w

2 y's

Well, Howdy Doody, this has been fun. Good bye!