- In an appropriately named class, write a static method named middleCharacters that takes in a 1. String parameter and returns a String that is:
 - the **middle character**, if the word has an odd number of characters;
 - the **middle two characters** if the word has an even number of characters.

You do not need to test if the input String parameter is null; however, for the more advanced programmer, account for the case where the input String parameter is an empty string. Use only the String methods length, and substring.

The following is example test code you can insert into the main method in the same class:

```
System.out.println(middleCharacters("12345"));
System.out.println(middleCharacters("abcdef"));
System.out.println(middleCharacters("x"));
System.out.println(middleCharacters("xy"));
System.out.println(middleCharacters("Hello World!"));
//System.out.println(middleCharacters("")); // Advanced
```

And the output expected from the above test code is:

3 cd х ху W

After you have tested your code, copy your completed code in the space below:

2. Write a static method named removeFirstWord that takes in a String parameter and returns a String that is the same as the input string, except has the first word removed. For this exercise, you can assume the first and second word are separated by a single space character. Use only the String class methods indexOf and substring, and no other library methods. You must take into account the possibility of the input String only containing a single word, or being an empty string. You do not need to check for a null input. The following is example test code:

```
System.out.println(removeFirstWord("Hello World!"));
System.out.println(removeFirstWord("Only two words."));
System.out.println(removeFirstWord("Emptystring"));
System.out.println(removeFirstWord(" Two words."));
```

And the output expected from the above test code is:

World! two words. Two words.

Write your completed code in the space below: