

Informatics 115, Fall 2022

Due: Thursday night by 11:59 PM, October 13, 2022

Professor Iftexhar Ahmed

程序代写代做 CS编程辅导

Homework

Reading/tutorial: <http://tutorials/JUnit/article.html>



Using Eclipse and JUnit, create a class named with your full name in camel case (e.g., “public class IftexharAhmed”), containing the following methods:

1. String getFullName(). This method returns your full name, with spacing, as a string.
2. String getFirstName(). This method returns your first name as a string.
3. String getLastName(). This method returns your last name as a string.
4. String getUCInetID(). This method returns your UCInetID as a string.
5. int getStudentNumber(). This method returns your UCI student number.
6. String getRotatedFullName(int shift). This method returns your name, rotated (with wrap-around), by shift characters. Positive numbers rotate to the left, and negative numbers rotate to the right. For example, for my name “Iftexhar Ahmed”, if I executed:

For example, for my name “Iftexhar Ahmed”, the following client code would behave as such:

```
IftexharAhmed j = new IftexharAhmed();
System.out.println(j.getFullName());
System.out.println(j.getFirstName());
System.out.println(j.getLastName());
System.out.println(j.getUCInetID());
System.out.println(j.getRotatedFullName(2));
System.out.println(j.getRotatedFullName(-5));
```

I would expect to get the output:

```
Iftexhar Ahmed
Iftexhar
Ahmed
Iftexhar
texhar AhmedIf
AhmedIftexhar
```

Then, create a JUnit test class called “Test...” followed by your name (e.g., “public class Test IftexharAhmed {}”), containing methods to test each of the above methods. For *each* of the above methods 1 – 5, write one test-case method that contains one execution of the tested method and checks its expected value. For method 6, provide two separate test case methods: one with a positive shift invocation of the method, and one with a negative shift invocation of the method.

To turn in, create one .zip file that contains only these two .java files. Upload this .zip file to the CANVAS by due date.