CST8284_521 - Assignment# 2

Due Date: Friday, June 10, 2016

What to submit: Two .java files: MyLogger.java and MyLoggerTest.java

Challenge

In this assignment, you will implement what has been covered in class about inheritance and invoking super-classes.

The purpose of this assignment is to enrich your logging system by adding more details to the displayed message and especially the timestamp, with milliseconds, so you can read the logs in chronological way for debugging and verification purposes. No need to override toString nor to do anything with toString method.

What I need to run, is the following statements (within a main method inside MyLoggerTest.java):

```
// two lines of code here
System.out.println("My Name is Michel");
int x = 7;
System.out.println(x);
// … invoking more print or println methods that take other types of
// parameters
```

And the output I want to see is the following:

```
23:18:40:930 EDT : Some Short Message : My Name is Michel
23:18:40:930 EDT : Some Short Message : 7
```

Two lines of code need to be inserted at the beginning of this main method that need to reside inside MyLoggerTest class. Your job is to write MyLogger class and complete the set of print/println statements within MyLoggerTest main method to cover all print/println methods that have void as their return value. There should be 9 distinct print/println methods in total that need to be tested within your main method.

I will give you the initial version of MyLoggerTest class. You need to complete it to cover all desired method tested. As well, you need to write MyLogger class.

What I want you to learn to do is something that is coming from real life experience of programming; so you will earn a new skill through this assignment and maybe use it later on.

Now, how can I help you to resolve the problem without revealing the "core how to" :) ... so, here is a summary of what is needed:

- You need to override all void print/println to add to their output the line requested

- In order to do this, you need to find out the class these print/println reside in, subclass it, override the set of methods requested

- In the MyLoggerTest class, you need to use the System.setOut method and I will let you read the documentation on it to figure out what object to pass it ;)

I hope this will clarify things better and motivate you to "discover" the easy solution :)

More details are listed in the code provided. Please make sure these requirements are met.