Debugging Quiz

Description

During Week 4 (starting Wednesday 6/21), we will have quiz 2 (the debugging quiz). It will be done via zoom, one-on-one with a TA, and should take less than 10 minutes to complete.

A TA will contact you this week with the time of your quiz. Please make sure you check your terpmail University email account for the email from the TA with your quiz time, and confirm you got it with a reply to the TA. The TAs will schedule your quiz during your Wednesday to Friday class from 6 to 7:20 PM, which are times that you should have reserved for CMSC 132. If you have a valid reason for why you cannot be available at your assigned time, you can discuss that with the TA **AFTER** you receive the email with your time.

At the end of Week 3, I will post the code for the debug quiz and some pre-quiz time instructions. Follow the instructions so that you can be ready for the quiz at the start of Week 4. Based on the time you get, your quiz may be as early as 6PM on Wednesday 6/21 or as late as Friday. 6/23. I**f you have any questions about debugging, please ask/post on Piazza this week. Once the code is distributed at the end of Week 3, we will not answer any questions about using the debugger until the quiz is over.** As students are taking the quiz at different times, I ask that you please do not discuss or post about the contents of the quiz until all students have taken it.

To prepare for the quiz, you should be able to do the following things:

1. Understand and be able to switch form the Java and Debug Perspectives and run the code in each
2. Set line numbers by right-clicking on the left column of the code page.
3. Set and remove breakpoints.
4. Step into, step over, and step return from a method.
5. Display variables, parameters, and member field values.
6. Continue program execution after a breakpoint and terminate a debug session.
7. Switch between the stack frame of one method to another.

Resources

1. **Debugger Lecture Videos**

   https://umd.hosted.panopto.com/Panopto/Pages/Viewer.aspx?id=7583722e-4d20-4502-a333-abd400960e32 – **(starting at 34:00)**
   https://umd.hosted.panopto.com/Panopto/Pages/Viewer.aspx?id=b3847176-0bea-4295-99ac-abd50015351e   – **(start to 6:45)**
   https://umd.hosted.panopto.com/Panopto/Pages/Viewer.aspx?id=aaa725e0-e076-44f7-8466-ada901081991 – **(36:15 to end)**

2. **Code used in Debugger Lecture Video**

   http://www.cs.umd.edu/class/summer2023/cmsc132/lectures/Week3/DebuggerExampleCode.zip

3. **Additional outside resource**
   http://www.vogella.com/tutorials/EclipseDebugging/article.html