

Debugging Quiz

Description

During Week 3 (starting Mon 6/15), we will have quiz 1 (the debugging quiz). You will get to sign up for time to meet with a TA via zoom to complete the quiz. Ryan will post more information about the sign-up process on Piazza. If you have a valid reason for why you cannot be available at any of the available times, you can discuss that with Ryan. If you have ADS accommodation for extra time, please let Ryan know. **Brian will cover the debugger in lab on Thursday June 11th.**

BE ON TIME for your zoom meeting. TAs will not wait around for you and need to go to the next person. If you don't show up on time, the TA has no obligation to give you full time or the quiz at all.

At the end of Week 2, 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 3. **If you have any questions about debugging, please ask/post on Piazza this week. Once the code is distributed at the end of Week 2, 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 from 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

Fall 2020

<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)

Fall 2021

<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

<https://www.cs.umd.edu/class/spring2025/cmsc132-010X-020X/lectures/Week5/DebuggerExampleCode.zip>

3. Additional outside resource

<http://www.vogella.com/tutorials/EclipseDebugging/article.html>