OBJECTIVES
By completing this activity, students will:
+ become more fluent with computational practices (experimenting and iterating, testing and debugging, reusing and remixing, abstracting and modularizing) by designing a debugging challenge

RESOURCES
❑ My Debug It! handout
❑ My Debug It! studio
  http://scratch.mit.edu/studios/475637

REFLECTION PROMPTS
+ What was the problem?
+ Where did your inspiration come from?
+ How did you imagine others investigating and solving the challenge?
+ Did others have alternative approaches to finding and fixing the problem than what you expected? What were their strategies?

REVIEWING STUDENT WORK
+ Do projects include a debugging challenge to solve?
+ What different testing and debugging strategies did students employ?

NOTES TO SELF
❑ 
❑ 
❑ 
❑ 

NOTES
+ Remind students to include a challenge description in the notes of the project page on the Scratch website.
+ Got extra time or need a warm-up activity?
  Let students exercise their problem-seeking and problem-solving skills on other contributed debug-it programs in the My Debug It! studio.
MY DEBUG IT!

IT’S TIME TO DESIGN YOUR OWN DEBUG IT PROGRAM. WHAT WILL YOU CREATE?

In this activity, you will create your own Debug It! challenge for others to investigate, solve, and remix.

START HERE

❑ Reflect back on the different kinds of bugs you’ve encountered in creating and debugging your own projects.
❑ Generate a list of possible debugging challenges you could create. A Debug It! can focus on a specific concept, block, interaction, or some other programming challenge.
❑ Build your Debug It! program.

PLAN FOR MY DEBUG IT!

NOTES TO SELF

❑
❑
❑
❑

FINISHED?

+ Add your debugging challenge to the My Debug It! studio: [http://scratch.mit.edu/studios/475637](http://scratch.mit.edu/studios/475637)
+ Swap Debug It! programs with a neighbor and try to solve each other's buggy programs.
+ Help a neighbor.
+ Try debugging other programs in the My Debug It! studio.
MY DEBUG IT!

REFLECTIONS

+ What was the problem?

+ Where did your inspiration come from?

+ How did you imagine others investigating and solving the challenge?

+ Did others have alternative approaches to finding and fixing the problem than what you expected? What were their strategies?