Welcome

Getting Started with BlueJ

Variables and Mathematical Operators

Functions and Conditionals

Classes, Types, and For Each Loops

Seven Steps for Solving Programming Problems

1. Do a little each day
2. Don't give up!
3. Follow the seven step process
4. Read the documentation
5. Use the live coding videos and assignments

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For the live coding videos,

Tips for Learning Programming

Have a question? Discuss this lecture in the week forums.   ›

Interactive Transcript

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To help you do your best, we want to give you some suggestions about how to learn in the course. First, do a little each day. It's really hard to learn programming all at once. If you do a few course items each day, instead of trying to do it all in a day or two, you'll remember things better, you'll be more motivated, and you'll have more time to work through problems in your code. Speaking of problems with code also known as bugs, it's normal to make mistakes when you're programming. So, our next tip is, don't give up. Everyone gets bugs in their programs and part of programming is probing out what's wrong and how to fix it. When you're programming, we really recommend following the seven step process. This means, you should plan how to solve the problem before you start writing any code. If you didn't take our first course, don't worry. There will be a chance to review the seven step process later. The seven step process is important because it gives you a method for solving problems. Then when you've figured out a solution you can start writing code. Once you're ready to start writing your programs, make sure you've read the relevant documentation so you know what Java methods exist and how to use them. Refer back to the documentation as often as you need to. Next, take advantage of the live coding videos and the practice quizzes. For the live coding videos, this is a great opportunity to program alongside the instructors. You can also download the code from the videos and run it yourself. Try making small changes to make sure you really understand what each part of the program does. Finally, for the practice quizzes, even though they don't contribute to your final grade, they are still a good chance for you to test your code. Use the practice quizzes to find and fix problems before you move on to the graded quizzes. Finally, if you're still having trouble with your programs, ask for help from the instructor team annually appears in the course discussion forums. Part of being a good programmer is knowing how to ask for help effectively. We'll talk more about that in the next video.

Downloads

Lecture Video   mp4

Subtitles (English)   WebVTT

Transcript (English)   txt

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