




Course Home

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Grades

Discussion Forums

Messages

Resources

Course Info

 Deadline: You must submit this week's assignments by **March 11, 2018, 11:59 PM PST**.

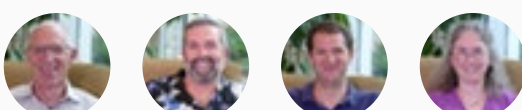
THIS WEEK'S FORUM

Week 1

Welcome to the course discussion forums! Ask questions, debate ideas, and find classmates who share your goals. Browse popular threads below or other forums in the sidebar.

Go to forum

Introduction to the Course




Welcome to “Java Programming: Solving Problems with Software”! We are excited that you are starting our course to learn how to write programs in Java, one of the most popular programming languages in the world. In this introductory module, you will get to meet the instructor team from Duke University and have an overview of the course. Have fun!

 Less

Welcome




 Introduction to the Course 2 min

 Programming Resources 10 min

 Resources to Help You Succeed 1 min

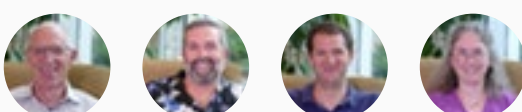
Resume

 Tips for Learning Programming 1 min

 Using Forums: How to Ask for Help Effectively 3 min

 Object Oriented Programming with Java Specialization 2 min

Fundamental Java Syntax and Semantics




In this module, you will learn to write and run your first Java programs, including one program that prints “Hello!” in various countries’ languages

 More

Getting Started with BlueJ


 Module Learning Outcomes 10 min

 Why Use Java? 1 min


 Download BlueJ and Open Your First BlueJ Project 10 min

 Using BlueJ to Program in Java 6 min


Resume


 **Practice Quiz:**  
Getting Started with BlueJ 3 questions

Variables and Mathematical Operators


 Let's learn some basic Java syntax! 1 min

 Shapes: Collections of Points 2 min

 Why Semantics: Motivation to Read Code 1 min

 Variables 2 min

 Mathematical Operators 2 min

 **Practice Quiz:**  
Variables and Mathematical Operators 3 questions

Functions and Conditionals

 Functions 4 min


 Conditionals 3 min

 **Practice Quiz:**  
Functions and Conditionals 3 questions

Classes, Types, and For Each Loops


 Classes 4 min

 New 4 min


 Methods 5 min

 Types 5 min

 For Each Loops 7 min


 **Practice Quiz:**  
Classes, Types, and For Each Loops 5 questions

Seven Steps for Solving Programming Problems


 Solving Programming: A Seven Step Approach 6 min

 Seven Steps in Action: Developing an Algorithm 7 min

 Seven Steps in Action: Testing the Algorithm 4 min

 Seven Steps in Action: Translating to Code 5 min

 Calculating the Perimeter of a Shape 2h

 **Quiz:**  
Calculating the Perimeter of a Shape 7 questions Due in 7 days

 End of Module Survey 5 min