

Intro to Java

Project enVision U.S. Learn • Spring 2021

Course Description

This course will go over the basics of Java. There will be 6 classes, 1 per week. Classes will be 60 minutes long and will be held online via Zoom or Google Meet.

Course Objectives

Teach students the fundamentals of Java and its applications in the real world. Cover all the basics and develop an interest for students to master java and make some creative projects.

Materials Needed

The only materials needed will be a laptop running on Mac, Windows or Linux.

Other Information

This course does not have any prerequisites.

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Week 1

Feb 17

- An introduction to Syllabus
- Class materials review
- Download Eclipse editor
- Go over print lines and comments in Java

Extra Notes: Take attendance every week

Week 2

Feb 24

- variables and their uses
- data types and primitive vs non-primitive
- Conversion between primitive data types
- Operators and variables

Week 3

Mar 3

- Learn about scanner and its uses
- Create 2-3 programs covering all topics discussed till now

Extra Notes: Encourage students to take notes

Week 4

Mar 10

- Learn about conditionals
- Make programs using scanner and conditionals
- Learn about for loops

Extra Notes: Encourage students to make programs on their own first.

Week 5

Mar 17

- Go over while and do-while loops
- Talk about the differences and when to use a certain loop
- Break and continue

Week 6

March 24

- Learn methods
- End classes by talking about future Java concepts

Extra Notes: Develop interest in Java and encourage students to take intermediate Java classes.