

# Learning Activities: CPS 161: An Introduction to Programming with Java

In this course, students are introduced to the Java programming language. Looping, conditional logic and string manipulation are some of the basic programming concepts covered. Object-oriented concepts are covered such as constructors, polymorphism, abstract classes, interfaces and exceptions. Graphical user interface (GUI) topics are minimally covered. CPS 261 will cover these topics in depth. Prior programming experience is recommended. Students who have no programming experience should consider taking CPS 120.

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## **Hello World**

<https://www.skillscommons.org/handle/taaccct/6946>

## **Approaching Program Java**

<https://www.skillscommons.org/handle/taaccct/6945>

## **Debugging with Print Statements**

<https://www.skillscommons.org/handle/taaccct/6944>

## **History of Languages**

<https://www.skillscommons.org/handle/taaccct/6943>

## **Java Arithmetic Expressions**

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## **Java Arithmetic Precedence**

<https://www.skillscommons.org/handle/taaccct/6941>

## **Java Debugging Eclipse**

<https://www.skillscommons.org/handle/taaccct/6940>

## **Java Primitive Variables**

<https://www.skillscommons.org/handle/taaccct/6939>

## **Java Printf Statement**

<https://www.skillscommons.org/handle/taaccct/6938>

## **Java Programming Languages**

<https://www.skillscommons.org/handle/taaccct/6937>

## **Static vs Object Oriented**

<https://www.skillscommons.org/handle/taaccct/6936>