codecademy

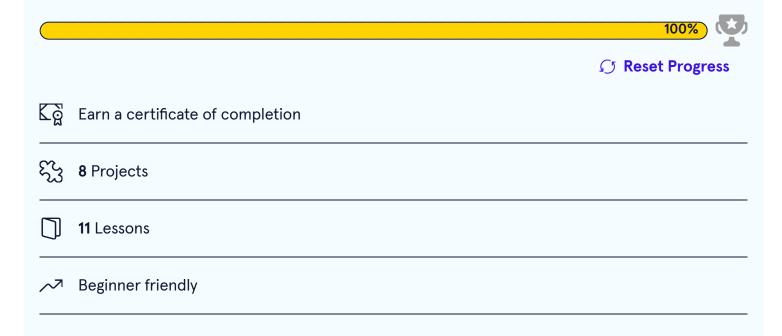# Learn Kotlin

**Resume Course**      **Start practice session**

Learn Kotlin, the expressive, open-source programming language developed by JetBrains.

## Course Progress

**100%**

Reset Progress

Earn a certificate of completion

**8** Projects

**11** Lessons

Beginner friendly

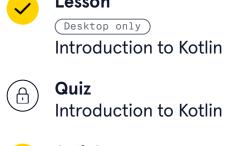## Current Module

**Introduction to Kotlin**

Get started with Kotlin by learning everything you need to know to create your first basic program!

✓ **Lesson**
Desktop only
Introduction to Kotlin

🔒 **Quiz**
Introduction to Kotlin

✓ **Article**
**From Editor to Output**

🔒 **Project**
Desktop only
ASCII Art

**Start module practice**
0 / 4 concepts practiced

>

**View cheatsheet**

>

•••  **Resume**

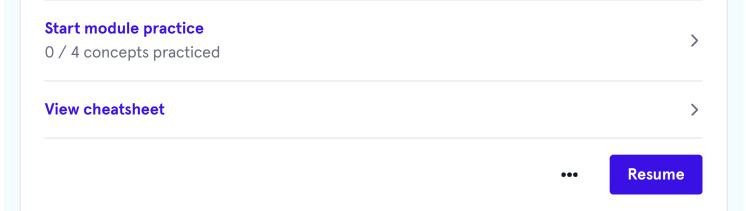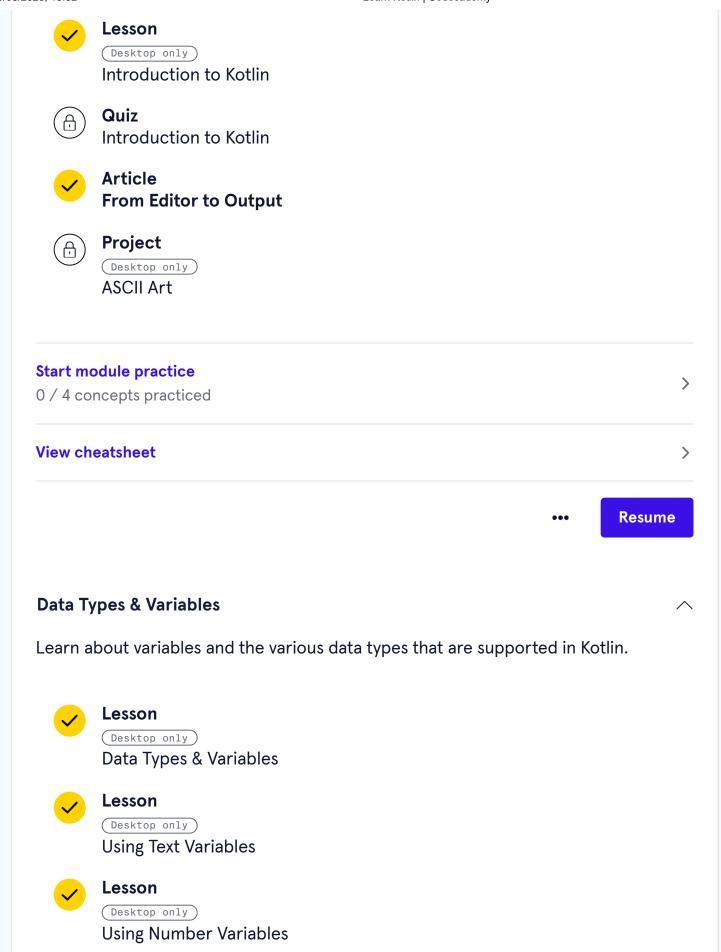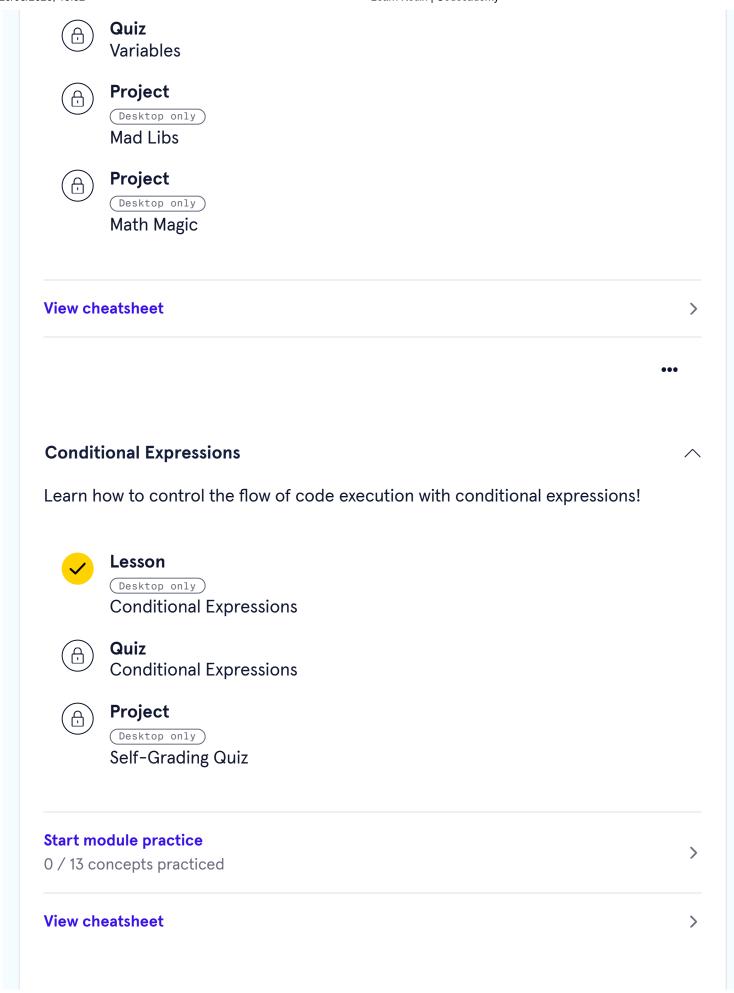# Syllabus  **Collapse all**

### Introduction to Kotlin  ⌃

Get started with Kotlin by learning everything you need to know to create your first basic program!

**Lesson**

Desktop only

Introduction to Kotlin

**Quiz**

Introduction to Kotlin

**Article**

**From Editor to Output**

**Project**

Desktop only

ASCII Art

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**Start module practice**

0 / 4 concepts practiced

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**View cheatsheet**

>

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•••    **Resume**

## Data Types & Variables    ⌃

Learn about variables and the various data types that are supported in Kotlin.

**Lesson**

Desktop only

Data Types & Variables

**Lesson**

Desktop only

Using Text Variables

**Lesson**

Desktop only

Using Number Variables

**Quiz**
Variables

**Project**
[ Desktop only ]
Mad Libs

**Project**
[ Desktop only ]
Math Magic

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**View cheatsheet**                                      ›

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## Conditional Expressions                              ⌃

Learn how to control the flow of code execution with conditional expressions!

**Lesson**
[ Desktop only ]
Conditional Expressions

**Quiz**
Conditional Expressions

**Project**
[ Desktop only ]
Self-Grading Quiz

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**Start module practice**                               ›
0 / 13 concepts practiced

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**View cheatsheet**                                      ›

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## Collections ⌃

Learn about the various types of collections that exist in Kotlin including lists, sets, and maps.

✓ **Lesson** `Desktop only`
Lists

✓ **Lesson** `Desktop only`
Sets

✓ **Lesson** `Desktop only`
Maps

🔒 **Quiz**
Collections

🔒 **Project** `Desktop only`
Animal Sanctuary

**View cheatsheet** ❯

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## Loops ⌃

Learn how to effectively implement code repetition in Kotlin!

**Lesson**
( Desktop only )

Loops

**Quiz**
Loops

**Project**
( Desktop only )

Shape Maker

•••

## Functions

Learn how to create and call user-designed functions in your Kotlin programs!

**Lesson**
( Desktop only )

Functions

**Quiz**
Functions

**Project**
( Desktop only )

DIY Functions

**Article**
Recursion

**Start module practice**
0 / 7 concepts practiced

**View cheatsheet**

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## Classes ⌃

Get introduced to the world of object-oriented programming in Kotlin and learn how to create classes and objects.

✓ **Lesson**
( Desktop only )
Classes

🔒 **Quiz**
Classes

🔒 **Project**
( Desktop only )
Codey's Calculator

**View cheatsheet** ❯

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