

# Go: Getting Started

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## INTRODUCTION



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# Overview



What is Go good at?

Hello world

Course overview



# The Problem

High performance

Type safety

C++

Slow compilation

Historically  
complex syntax

Rapid compilation

Type safety

Java

Complicated  
ecosystem

Ease of use

Python

Lack of type safety

Relatively slow



# The Solution

Simplicity  
as a core  
value

Fast  
compilation

Fully  
compiled



Garbage  
collected

Concurrent  
by default

Strongly  
typed



# What is Go Good At?

Web services

Web applications

Task automation

GUI / Thick-client

Machine learning

...



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# Course Outline

You are  
Here

Introduction

Starting a Project

Working with  
Primitive Data  
Types

Working with  
Collections

Creating  
Functions and  
Methods

Controlling  
Program Flow

