

Day - 1		Day - 2	
<ul style="list-style-type: none"> <li>• <b>Introduction – Golang</b> <ul style="list-style-type: none"> <li>○ Introduction</li> <li>○ Language Characteristics</li> <li>○ What Is Go Good At?</li> <li>○ Demo: Hello World</li> </ul> </li> <li>• <b>Introduction – Golang</b> <ul style="list-style-type: none"> <li>○ Introduction</li> <li>○ Installing the Go Tools</li> <li>○ Overview of the Go Command</li> <li>○ Setting up an Editor</li> <li>○ Creating a Project</li> </ul> </li> <li>• <b>Introduction – Golang</b> <ul style="list-style-type: none"> <li>○ Introduction</li> <li>○ Installing the Go Tools</li> <li>○ Overview of the Go Command</li> <li>○ Setting up an Editor</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• <b>Working with Primitive Data Types</b> <ul style="list-style-type: none"> <li>○ Introduction</li> <li>○ Declaring Variables with Primitive Data Types</li> <li>○ Working with Pointers</li> <li>○ Creating Constants</li> <li>○ Using Iota and Constant Expressions</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• <b>Creating Functions and Methods</b> <ul style="list-style-type: none"> <li>• Introduction</li> <li>• Creating Functions</li> <li>• Adding Parameters to Functions</li> <li>• Returning Data from Functions</li> <li>• Using Methods to Add Behaviors to a Type</li> <li>• Demo: Adding Functions to the Web service</li> <li>• Demo: Creating Methods</li> <li>• Demo: Implementing Interfaces</li> <li>• Demo: Starting the Web service</li> </ul> </li> <li>• <b>Introduction - Gin</b> <ul style="list-style-type: none"> <li>○ Introduction</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• <b>Routing</b> <ul style="list-style-type: none"> <li>○ Introduction</li> <li>○ Static Routes</li> <li>○ Demo: Basic Gin Application</li> <li>○ Demo: Static Routes</li> <li>○ Static File Handlers</li> <li>○ Demo: Static File Handlers</li> <li>○ Parameterized Routes</li> <li>○ Demo: Refactoring Application</li> <li>○ Demo: Parameterized Routes</li> <li>○ Demo: Basic Authentication</li> </ul> </li> <li>• <b>Working with Requests</b> <ul style="list-style-type: none"> <li>○ Introduction</li> <li>○ Retrieving Values from URL, Queries, and Forms</li> <li>○ Demo: Retrieving Values from Forms</li> <li>○ Data Binding with Forms</li> <li>○ Demo: Data Binding with Forms</li> <li>○ Data Binding with JSON</li> <li>○ Demo: Data Binding with JSON</li> <li>○ Other Data Binding Methods</li> <li>○ Data Validation</li> <li>○ Overview of Gin's Data Validation Library</li> <li>○ Demo: Data Validation</li> </ul> </li> </ul>

## Day - 3

- **Working with Responses**

- Introduction
- String Responses
- File Responses
- HTML Responses
- Demo: Using Gin.H
- JSON Responses
- Demo: Using the JSON Response
- Content Negotiation
- Other Response Types

## Day - 4

- **Middleware**

- Introduction
- Middleware Defined
- Communication
- Prepackaged Middleware
- Custom Middleware
- Demo: Custom Middleware