

Go Language - Training Exercises (Beginner to Intermediate)

Part 1: Beginner Exercises

1. Reverse a String

Write a function that takes a string and returns it reversed.

2. Sum of Numbers

Write a function that returns the sum of all integers from 1 to N (inclusive).

3. Check Even or Odd

Create a function that checks if a number is even or odd.

4. Count Letters

Write a program that counts how many times each letter appears in a string.

5. Fibonacci Sequence

Generate the first N numbers of the Fibonacci sequence.

Part 2: Intermediate Exercises

1. Struct and Method

Create a struct called `Person` with `Name` and `Age`, and a method to print a greeting.

2. JSON Marshalling

Define a struct and convert it to JSON string using `encoding/json`.

Go Language - Training Exercises (Beginner to Intermediate)

3. Basic REST API

Set up a simple API with `/hello` endpoint returning JSON response using `net/http`.

4. Map Filter

Write a function that filters a `map[int]int` and returns only even values.

5. Error Handling

Write a function that divides two numbers and returns an error if the divisor is zero.