package main

import (  
  "fmt"  
  "strconv"  
)

func main() {  
  var num1Str, num2Str, operator string

  fmt.Print("Enter first number: ")  
  fmt.Scanln(&num1Str)  
  fmt.Print("Enter operator (+, -, \*, /): ")  
  fmt.Scanln(&operator)  
  fmt.Print("Enter second number: ")  
  fmt.Scanln(&num2Str)

  num1, err1 := strconv.ParseFloat(num1Str, 64)  
  num2, err2 := strconv.ParseFloat(num2Str, 64)

  if err1 != nil || err2 != nil {  
    fmt.Println("Invalid input. Please enter valid numbers.")  
    return  
  }

  var result float64

  switch operator {  
  case "+":  
    result = num1 + num2  
  case "-":  
    result = num1 - num2  
  case "\*":  
    result = num1 \* num2  
  case "/":  
    if num2 == 0 {  
      fmt.Println("Error: Division by zero is not allowed.")  
      return  
    }  
    result = num1 / num2  
  default:  
    fmt.Println("Error: Invalid operator.")  
    return  
  }

  fmt.Printf("Result: %.2f\n", result)  
}