

Go fmt Master Cheat Sheet

1. Printing Family

Function	Outputs to	Newline?	Formatting?	Returns
fmt.Print()	Stdout	No	Default	(n int, err error)
fmt.Println()	Stdout	Yes	Default	(n int, err error)
fmt.Printf()	Stdout	No	Format verbs	(n int, err error)
fmt.Fprint()	io.Writer	No	Default	(n int, err error)
fmt.Fprintln()	io.Writer	Yes	Default	(n int, err error)
fmt.Fprintf()	io.Writer	No	Format verbs	(n int, err error)

2. String Formatting Family

Function	Newline?	Formatting?	Returns
fmt.Sprintf()	No	Default	string
fmt.Sprintln()	Yes	Default	string
fmt.Sprintf()	No	Format verbs	string

3. Scanning Family

Function	Reads from	Stops at	Formatting?	Returns
fmt.Scan()	stdin	Space/Newline	No	(n int, err error)
fmt.Scanln()	stdin	Newline	No	(n int, err error)
fmt.Scanf()	stdin	Format rules	Yes	(n int, err error)
fmt.Fscan()	io.Reader	Space/Newline	No	(n int, err error)
fmt.Fscanf()	io.Reader	Format rules	Yes	(n int, err error)
fmt.Sscan()	string	Space/Newline	No	(n int, err error)
fmt.Sscanf()	string	Format rules	Yes	(n int, err error)

4. Format Verbs (Quick Reference)

Category	Verb	Meaning
General	%v	Default format
General	%+v	Struct with field names
General	%#v	Go syntax representation
General	%T	Type of the value
General	%%	Literal %
Boolean	%t	true / false
Integer	%d	Decimal
Integer	%b	Binary

Integer	%o	Octal
Integer	%x	Hex lower
Integer	%X	Hex upper
Integer	%c	Unicode character
Float	%f	Decimal point
Float	%e	Scientific (e)
Float	%g	Compact
String	%s	String
String	%q	Quoted string