# Go - Interview Sheet

Top 10 Go Interview Questions - Programming Languages



**Q1.** What are the core design goals and primary use cases for Go?

Answer:

**Q2.** Explain the type system in Go: static vs dynamic typing, type inference, and type safety.

Answer:

**Q3.** How does Go handle memory management: manual, garbage collection, or reference counting?

Answer:

**Q4.** Describe the concurrency model in Go: threads, async/await, coroutines, or actors.

Answer:

**Q5.** What are the key data structures in Go's standard library and when do you use each?

Answer:

**Q6.** How does Go implement object-oriented programming, functional programming, or both?

Answer:

**Q7.** Explain error handling in Go: exceptions, Result/Either types, or error codes.

Answer:

**Q8.** How does Go's package/module system work and what is the standard build tool?

Answer:

**Q9.** What are common performance optimization techniques specific to Go?

Answer:

**Q10.** How do you write unit tests and measure code coverage in a Go project?

Answer: