Race Condition:

Race conditions occur when two process are running concurrently, however the output of the processes depends on the sequence that the processes are completed in.

It can occur when a goroutines 1 writes data to a variable while goroutine 2 reads from it at almost the same time. This could lead to goroutine 1 overwriting new data or goroutine 2 reading data that has not yet been written to by goroutines 1.