thoperty of the half blood fince RPC and Threads Galara is a really good larguage to build performant system since it is type safe, memory safe and garbage callected. Threads will be the main tool to manage concurrency you have a program and one adverse space it a serial propant you will have just one thread of execution one program, one set of registers, one stack that are describing the current state of program. In a threaded program you will have multiple threads with seperate program counter seperate set of registers and a separate stack for each of threads so they an have the own thread of contral and be executing in different port of prog Through threads we can make use of multi-core parallesim, that it really beneficial if you have a program that our un its could cycle on different cores. I o concurrency use at threads. Parallasim Convenience troces is a single program that you are running and sort of single address space a bunch of memory for the process, and incide the process you might have multiple threads running to busham -> creates one ruin process and sort of memory area and when your go process creates go noutires that are process.

Many threads running can cause now enditions, hence we use books

WARTOCK()

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Grahady of the half blood livinge Coordination about 610 when we want different threads to interact with each other that is called coordination, we can make use of channels Counding data from one thread to another Sync. cond CKick to let Know continue what It was doing, wait Group Crunming a lot of go routires and evailing for them to finish. you have a program Deadlock in you money wire a Mi mead of execution of Kernet or Both threads cannot do anything Elles Craules Whe on morron on sync. mutex is toted map [string] bod func concurrent Mutex (und string) Donalice Con ready: f. teteted Turl if err penulla notion blant middle var dore sync. wait droup threads running ear balo agree were appeared in one dore add 11 go forc (o cting) & concurrent nutex (v, feterer,)