Goal: Read "Num is Peace to court and fully each word layer than 6 characters or longer. Poly using Linux file furthers (open, down, real I seek, proad) so additional libraries But: must do the using threads (The assignment will be very phinads) - Each thread will take a chunk of the file and process it returns it would to the new which tallies. . The main will print the len, 6 or more chander, more with the highest talles free hydrest to lowest. · Progra- abouted take two parametes - COMPLETG - File Name is the name of the file to reach - War And Pena. It & Reach - Only mode Trendlant is the rane of through you should spawn to evenly double the work I · These threads should be launched together in a loop * HINTS: . Do not Parget to protect critical section · strtok -r is a takenizar that is · Marke size to use thread safe library colls thread safe 'You need to know how boy the input like is (Use I seek) "Do not ese pipos. You must use muter locks Accepting parameter - COMPLETE 1000: - File Name - Red into among lites w/c - Tread Court as int Carcerthy arg v [2] as Tread Court V · Argy is a party to a string - used ato; howher to convert to int 'You need to know how how the input like is Cuse Iscete) Determine his size ~ · Partition rust be determined (Divider by number of threehs) · Creating a structure to the top 10 six-chanden word dally. - Option: Create a historian to court each word occurance < key: word, Value: Occurrence Encrement 7 · Vo fine the structure · Needs string / char + for word , ist har count · Threading - Thread Pool - Create a number of threads at start up and use as needed? - Method or code black must be written that each thread will execute (Instructions a algorithm) - pthread - create, pthread - join, p-thread - east? · What needs to be used to destroy the thread after use? Mulea-lock is buffers ~ · function must be created to run pthread-create (Code block to execute) · Close like - Release allocated memory

· Treading (Cont.)
· function must be created to on pethread-create (Cade block to grecute)
- Then should be a buffer to hold chunter allocated to thread (malloc use) \square
- Toherver used (strtok-r)
- Panler used to point to doken
- Fair thread will take a church of the file and process :) netway : it essits to the new which sallies.
· Determine the character - Requires file size & number of threads V
and the second of the second o
Local church into a buffer - mallox buffer to load for could thread - using read ()
- Point need to indicate position - NOT NEEDED V CHECK AFTER COMPLETION
· An then byles left over? ~ Test \
- It so, modify buffer size and amount to pass it. Her to allocate for the?
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
· Varies per thewol court. Allbook many in buffer to handle lettour for time thread?
Charle to ken if it is a six letter ward
· It so, ched it it is in data structure - Compare string hustur - case sensitive
· If so, increment
· If not, add and increment
· Continu until token ne have null