1. displays lines in a toxt those soutoin at boot 1 timestap be: mm: N:555 (08: 04:14:893) 2. displays lines of file s. txt susping any poirs of vowel followed by odd digit (a 23 le 4 a 98 i 3-) a 23 le 4 g 98 3 i 3 is list of all unique spressences of number p1 with 2 or more dec. in a txt (3.14...) 4. given a dit and all its hierarchy, write a enix shele somed that all the allums in it (shows). In allum is a dier containing files with extension" mp3". 5. Write a Unix shell script that calculates the overage ng of lose in all files with extension". sh" in the current dir. Ant, ignoring comment lines, lines with sny maces and tobs. 6. how many processes! if (forb() | forb() / porb(); y 4. Love many processes when povent process calls [13] void frint n) 1 if (n> 0 (1 forh()==0)} Rin-1); y worth(o); 4 8. What will the sade below print! char x s(2) = futu "18", 10" f; for (i=0; K<3; [++]) if (fork C) == 011 execl ("Ilin Ischo", "Bin seho", sci7, NULL

9. What does the system call "read" do when the ripe cantain eas data then it is required to read, but it is not empty? 10. What the eads will print? int MC27; char bufgo]; pipe (Mi n = read | reat, rol; 17. Whip samble process a problem? 12. I is executed simul by as threads. Add the necessary code to ensure n is a speed threaks hove completed. int m=0i word * fc. word * n/ 17+ M return NULL 13. Thebul so that the rum of delays is minim: A(4(13), 10/5/9, C/2/4 14. Modvantage and a disadre of the set-associative ofther veryon the direct raches. 15. What page has the highest priority in the LRU replaced policy, when shooning a victim page 16. Siven 2 ret-associative raches, one with 2 rots of 4
pages and one with 4 rets of 2 pages, which result perfor
better for the following requires of page requests:

14) How many data blocks can be afairwed to by
the triple-interestion of an i-nobe, if a block
contains N obtrevento other blocks?

18) consumer-producer with buffer N-) somaphors
19) method for preventing deadlock when you
connot aroid modifying resources concurrently.