8 06/02/24 EXPERIMENT-3 STUDY OF LINUX SYSTEM CALLS PROURAM 1 AIM Implement a program to create a wild process using rystem call forked and to demonstrate rutern call getpide ALMORITHM STEPO: START the process STEP1: Dellare a variable p' to be shared by both wild are parent STEP 2: wate a wild prown wing fork rutern call and get its return value 10 'pid' STEP3: It return value is -1, then 1) Punt prous creation failed in terminate uning out notion call STEP 4: To return value in 0 then i) Print unde proun mater ii) Punt process id ung getpia ... nutin vall iii) call exectp() to execute another program ". Ichila" in) mate another program child which punis STEP 5: Otherwise, i) store me returned chied moun

10 in childpid ii) wait for inied prous so finish ung wait () nutur call, voie cratus so vatus iii) punt "Parent prous match aut iv) print prouve ID ung getpid rystem cull v) Print "united process match STEP 6: STOP. REJULT chied process neated and parent ID displayed here Output obtained. PROURAM 2 AIM to implement a program to demonitrate surtem will stat. ALMORITUM STEP 0: START STEP 1: Declare a marcuta array "file" to store filename and input from my step 2: pulare a pointer to a trul Hut named 'node' and allocate memory for it STEP 3: use stat furnion so retrieve

information by pairing file and Hore it in node. STEP 4. where if node > st-ino=0 i) Punt "File doy not excit" ii) NO 10 STEP 6 STEP 5: Otherwin 1) Punt Inode node > 11-10 1) Print Blockin noce 7 11-blkrine iii) Punt Accentime noce 7 st-atime iv) Print but modified time rode 7/1-minu v) Punt group ID rode 7 gt-gid vij Print pri of file node 7 st-mi vii) Punt purisions node > 1t-mode viii) Punt in ID node 7xt-vid STEP 6 - END REJULT Executed program 10 demonstrate

Hat obtainer output

PRONKAM 3 AIM

TO implement a program so demonistate surem aules opender & readdin

ALMORITHM STEP O. START

STEP 1 Dulane marayer away din-name

STEP 2. Enput dullow name 10 dir-name STEP 3: open the directory ung nutum calls openain() and More to point dur STEP 4: Peplat the 19ths while pm21=NULL by noung value by calling rulem all readden (dur) Punt ptr27d-ind and ptr27d-name STEP 5: close the dhertory STEP 6: END. Executed the program to demonstrate rytem calls opendir & readdir and Optained output.