SEMINAR 9

PROCESS CREATION AND LIFETIME

PROCESS ARE LAUNCHED BY OTHER PROCESSES HENCE EACH PROCESS (CHILD) HAS A PARENT

PSTREE

OFFERS A CONVENIENT WAY OF OBSERVING HIERARCHY

INIT AND SYSTEMD ARE EXAMPLES OF INITIALIZATION SYSTEMS

IF A PARENT DIES PARENT'S PARENT BECOMES NEW PARENT OF A CHILD

PROCESSES MIGHT BE IN DIFFERENT STATES

POSSIBLE STATES AND COMMON ABBREVIATIONS

> RUNNING/RUNNABLE (R)

> UNINTERRUPTABLE_SLEEP (D)

> INTERRUPTABLE_SLEEP (S)

> STOPPED (T)

> ZOMBIE (Z)

SYSCALL FORK
BRINGS PROCESS INTO EXISTENCE

SYSCALLS WAIT, WAITPID, ETC

ALLOW TO WAIT FOR CHILD TO COMPLETE AND LET YOU OBTAIN RETURN CODE

DEMO
FORK BOMB