

user-livel program attempts to execute a priveleged When a trap arceves, the CPU transfers control to the instruction a encounters an error. The trap handles checks the type of trap and takes
appropriate action, such as terminating the program or
performing a priveleged operation on whalf of the program Time multiplexing: cov, network card, printer, keyloard space multiplexing: memory, disk. Ams5 It is not essential for both procedures doing the same operation to have the same name.

System call is more imp. on it has more privilages than ilrary calls. AMS6. 1-3: Push parameters a noytes, & buffer, fd.
4: call the cubrary procedure read.
5: The cibrary procedure pret a code for reading a register. 6: call rap instruction trap to the kurul 7: The kirnel cocates & dispatches the system call randles via a table of pointers to system call nandless indeved on system call number. 8. The system call randle runs 9: Returns to the user space library proceeding 10: The library procedures roturn to the user 11: The SP is incumented (pop up, as stack grows downwards) to clear up the stack.