

## PROCESS :- CONTEXT SWITCH

A Context Switch (also sometimes referred to as a process switch or a task switch) is the switching of the CPU from one process or to another.

A Context is the contents of a CPU's registers and program counter at any point in time.

### Context Switch-Steps

If two processes A and B are in ready queue.

If CPU is executing process A and process B in wait state.

If an interrupt occurs for process A, the OS suspends the execution of the first process, and stores the state of process A in its PCB

and context to the second process namely Process B.

In doing so, Program Counter from the PCB of Process B is loaded and the execution can continue with the new process.

\* The switching between two processes, process A and process B needs PCB to save the state.

