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When that job needs to wait, the CPU is switched to another job, and so on.
Eventually, the first job finishes waiting and gets the CPU back.
As long as at least one job needs to execute, the CPU is never idle.
>JOB POOL
All the jobs that enter the system are kept in the job pool. This pool consists of all processes residing on disk awaiting allocation of main memory.











4. MULTIPROCESSOR SYSTEMS
• Most systems to date are single-processor systems; that is, they have only one main CPU.
• Multiprocessor systems also known as parallel systems or tightly coupled systems.
 Such systems have more than one processor in close communication, sharing the computer bus, the clock, and sometimes memory and peripheral devices. ADVANTAGES
1. Increased throughput: By increasing the number of processors, we hope to get more work done in less time. The speed-up ratio with N processors is not N; rather, it is less than N.
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