

Resources

- Resource: sth a process uses
 - Usually limited (at least somewhat)
- Examples of computer resources
 - Printers
 - semaphores/locks
 - Tables (in a database)
- Processes need access to resources
- One kind of semaphore: CPU, memory
- The other kind: 3D printer

When do deadlocks happen?

Deadlocks occur when

- Processes are granted exclusive access to devices or software constructs

Using resources

- Sequence of events required to use a resource
 - Request the resource
 - Use the resource