Bacteria

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let's see what happens when the system is your computer...
try this in bash (preferably in a VM):
       :(){:|: & };:
having fun?
what's going on?
       : ()
              defines a function named:
       { ... };
              this just contains/defines the body of the function
               ; is just a command separator (i.e., end of command)
       : |: &
               : runs the function named : and pipes its output to : (i.e., to itself)
               & means to run all of this in the background
       : (at the end)
              this runs the function: the first time
       since the function calls itself twice, it will call itself infinitely
              this consumes resources
              if left unchecked, it will bring your system to a crawl
                      like, power button is the only thing left to do, crawl
think of bacteria as something replicating itself in your system over and over again
       the example above is exactly this
       technically, we call it a fork bomb
       forking is the idea of a process launching a child process
       in the example above, this happens infinitely
another example would be a program (e.g., in C++) that would infinitely launch itself; e.g.:
       int main()
       {
               for (;;)
                     // launch myself
       }
```

do you like it when you get bacteria in your body (system)?