Definition of OS.
(Human) User's goals
System's goals
Startup Sequence

Interrupts
  hardware
  software traps
  uses?
  Interrupt vector?

Single processor
multi processor
  why?
  SMP
  AMP
MultiCore
cluster (how different from *MP?)

multitasking
  Pre-emptive MT?

Process
  memory map
  data structures?

Dual Mode
  Kernel
  User

System Calls -- API
  types?
  Examples?
  Passing data?

ASM vs C
Microkernel/layers/monolithic

VM

Process
  ELF
  state machine
    data structures
  PCB
Schedulers
  Job

CPU

Context Switching
  why
  how
  constraints

fork()
exec()

Shared Memory
Message passing

RPC
Java RMI
dup2()
pipe()

Homework Assignment 10 pts

By 9:45 am March 9 write two possible exam questions (and their answers) on the Messageboards (in the CS 460 Lecture Discussion forum). Make sure your question does not duplicate an existing question or the topic of an existing question.