1. What are the x86 processor’s three basic modes of operation?
   1. Real address, protected, and system management
2. Name all eight 32-bit general-purpose registers.
   1. EAX, EBX, ECX, EDX, ESI, EDI, ESP, EBP
3. Name all six segment registers.
   1. CS, DS, SS, ES, FS, GS
4. What special purpose does the ECX register serve?
   1. Loop counter