# Questions

**#1:** What are “real-time systems”? 

**#2:** What is “hard real-time” system? What is “soft real-time system”? 

**#3:** What is “determinism”? 

**#4:** What is “responsiveness”? 

**#5:** What make “determinism” hard to guarantee (mention two)? 

**#6:** What make “responsiveness” hard to guarantee (mention two)? 

**#7:** In many real-time process scheduling algorithms, determinism and responsiveness are in a trade-off relationship. Describe how they are in a trade-off relationship. 

**#8:** What is “static real-time scheduling”? 

**#9:** What is “dynamic real-time scheduling”? 

**#10:** What is “priority inversion”? How can they happen (explain using an example)? 

**#11:** What is “unbound priority inversion”? How can they happen (explain using an example)? 

**#12:** Why is “unbound priority inversion” a more serious problem than “priority inversion” is? 

**#13:** What computer systems use “real-time systems”? 

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(No Quiz for these questions)