

**NC STATE UNIVERSITY**

Message Board

Course: CSC501 - 001 Forum: PA1 Discussion

Go to: [Different Course](#) | [Forum List](#) | [Topic List](#)

Author **Topic: End of an epoch**

adhanas Mon Jan 27 23:14

How to identify the end of an epoch? If I understand correctly, we need to recalculate the quantum and goodness of the processes when an epoch is about to begin.

I'm lost on how to calculate the end of an epoch. Should I make use of the hardware's timer interrupt support?

Any help/guidance would be appreciated. Thanks.

wzhang27 Tue Jan 28 9:43

"How to identify the end of an epoch?"

----> An epoch will end when all the runnable processes have used up their quantum

"If I understand correctly, we need to recalculate the quantum and goodness of the processes when an epoch is about to begin."
----> yes, you are right

vchandr6 Wed Jan 29 15:46

If processes dont use up there quantum and go to sleep, should the epoch end?

wzhang27 Wed Jan 29 15:52

no

adhanas Wed Jan 29 16:35

Lets assume there are only two processes in the system - procA & procB.

procA uses up its quantum to the fullest and procB uses a part of it and then goes to sleep. Now, am I correct in saying that the epoch is over? Because, there are no more runnable processes in the system.

fmkavath Wed Jan 29 20:16

I guess yes...Because "Epoch should end when there are no runnable process in ready queue"

[**Post New Topic**](#)[**Post a Reply**](#)

WolfWare - Message Board - last update 30-Aug-2001