CS 314 Operating Systems, Fall 2018
Quiz #3 on September 10, 2018

List of the possible questions

#1: What is “Virtual Machine” (define the concept)?

#2: What are the primary motivations in using VM’s (mention at least two motivations or advantages)?

#3: Sketch how VM is implemented in memory.

#4: Look up the meaning of the following word using your textbook: “OS kernel”.

#5: Describe how “micro-kernel architecture” and “non micro-kernel architecture” are different in how system calls issued by user applications will be executed.

#6: What are the advantages in using “micro-kernel architecture”? What is the primary disadvantage in “micro-kernel architecture”?

#7: What is the primary difference between “multi-boot” and “micro-kernel architecture”?

#8: How does “FCFS” process scheduling algorithm work?

#9: How does “RR” process scheduling algorithm work?

#10: How does “SJF” process scheduling algorithm work?

#11: How does “SRTF” process scheduling algorithm work?

#12: What is “preemptive process scheduling”?

#13: What is “non-preemptive process scheduling”?

#14: What is “throughput” (in the context of process scheduling)?

#15: What is “response time” (in the context of process scheduling)?

#16: What is “turnaround time” (in the context of process scheduling)?