Mindluster Platform

About the course Operating System Interface

Operating System Interface course, This course This course covers the user interaction, command-line, and graphical interfaces of operating systems for effective computer usage.

Computer Science Category's Courses

Course Lesson(77)

Lesson 1 : **Introduction to Operating Systems**

Lesson 2 : **Basics of OS Computer System Operation**

Lesson 3 : **Basics of OS Storage Structure**

Lesson 4 : **Basics of OS I O Structure**

Lesson 5 : **Computer System Architecture**

Lesson 6 : **Operating System Structure**

Lesson 7 : **Operating System Services**

Lesson 8 : **User Operating System Interface**

Lesson 9 : **System Calls**

Lesson 10 : **Types of System Calls**

Lesson 11 : **System Programs**

Lesson 12 : **Operating System Design Implementation**

Lesson 13 : **Structures of Operating System**

Lesson 14 : **Virtual Machines**

Lesson 15 : **Operating System Generation and System Boot**

Lesson 16 : **Process Management Processes and Threads**

Lesson 17 : **Process State**

Lesson 18 : **Process Control Block**

Lesson 19 : **Process Scheduling**

Lesson 20 : **Context Switch**

Lesson 21 : **Operation on Processes â€“ Process Creation**

Lesson 22 : **Operation on Processes â€“ Process Termination**

Lesson 23 : **Interprocess Communication**

Lesson 24 : **Shared Memory Systems**

Lesson 25 : **Message Passing Systems Part 1**

Lesson 26 : **Message Passing Systems Part 2**

Lesson 27 : **Message Passing Systems Part 3**

Lesson 28 : **Sockets in Operating System**

Lesson 29 : **Remote Procedure Calls RPC**

Lesson 30 : **Issues in RPC How They re Resolved**

Lesson 31 : **Introduction to Threads**

Lesson 32 : **Multithreading Models Hyperthreading**

Lesson 33 : **fork and exec System Calls**

Lesson 34 : **Threading Issues fork exec System Calls**

Lesson 35 : **Threading Issues Thread Cancellation**

Lesson 36 : **Introduction to CPU Scheduling**

Lesson 37 : **CPU and I O Burst Cycles**

Lesson 38 : **Preemptive and Non Preemptive Scheduling**

Lesson 39 : **Scheduling Criteria**

Lesson 40 : **Scheduling Algorithms First Come First Served FCFS**

Lesson 41 : **First Come First Served Scheduling Solved Problem 1**

Lesson 42 : **First Come First Served Scheduling Solved Problem 2**

Lesson 43 : **Scheduling Algorithms Shortest Job First SJF**

Lesson 44 : **Shortest Job First Scheduling Solved Problem 1**

Lesson 45 : **Shortest Job First Scheduling Solved Problem 2**

Lesson 46 : **Scheduling Algorithms Priority Scheduling**

Lesson 47 : **Priority Scheduling Solved Problem 1**

Lesson 48 : **Priority Scheduling Solved Problem 2**

Lesson 49 : **Scheduling Algorithms Round Robin Scheduling**

Lesson 50 : **Round Robin Scheduling Turnaround Time Waiting Time**

Lesson 51 : **Round Robin Scheduling Solved Problem Part 1**

Lesson 52 : **Round Robin Scheduling Solved Problem Part 2**

Lesson 53 : **Multilevel Queue Scheduling Algorithm**

Lesson 54 : **Multilevel Feedback Queue Scheduling Algorithm**

Lesson 55 : **Scheduling Algorithms â€“ Solved Problems**

Lesson 56 : **Process Synchronization**

Lesson 57 : **The Critical Section Problem**

Lesson 58 : **Peterson s Solution**

Lesson 59 : **Test and Set Lock**

Lesson 60 : **Semaphores**

Lesson 61 : **Disadvantages of Semaphores**

Lesson 62 : **The Bounded Buffer Problem**

Lesson 63 : **The Readers Writers Problem**

Lesson 64 : **The Dining Philosophers Problem**

Lesson 65 : **Monitors**

Lesson 66 : **Dining Philosophers Solution using Monitors**

Lesson 67 : **Process Synchronization Problem 1**

Lesson 68 : **Process Synchronization Problem 2**

Lesson 69 : **Process Synchronization Problem 3**

Lesson 70 : **Process Synchronization Problem 4**

Lesson 71 : **Process Synchronization Problem 5**

Lesson 72 : **Deadlocks | Chapter 7 | Operating System | nesoacademy org**

Lesson 73 : **Main Memory | Chapter 8 | Operating System | nesoacademy org**

Lesson 74 : **Virtual Memory | Chapter 9 | Operating System | nesoacademy org**

Lesson 75 : **File Systems | Chapter 10 | Operating System | nesoacademy org**

Lesson 76 : **File System Implementation | Chapter 11 | Operating System | nesoacademy org**

Lesson 77 : **Mass Storage Structure | Chapter 12 | Operating System | nesoacademy org**

Related courses

Linear Algebra for Computer Scientists

Insertion Sort

Bubble Sort

GCSE Computer Science

Random Access Memory

Binary Trees

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