Mindluster Platform

About the course Computer Networks Basic

Computer networking refers to interconnected computing devices that can exchange data and share resources with each other. These networked devices use a system of rules, called communications protocols, to transmit information over physical or wireless technologies.

Computer Softwares Category's Courses

Course Lesson(103)

Lesson 1 : **Introduction to Computer Networks**

Lesson 2 : **Computer Networks Basic Characteristics**

Lesson 3 : **Network Protocols Communications Part 1**

Lesson 4 : **Network Protocols Communications Part 2**

Lesson 5 : **Components of a Computer Network**

Lesson 6 : **Classification of Computer Networks**

Lesson 7 : **Network Topology**

Lesson 8 : **Network Topology Solved Questions**

Lesson 9 : **Basics of IP Addressing**

Lesson 10 : **Basics of MAC Addressing**

Lesson 11 : **Basics of Port Addressing**

Lesson 12 : **Switching Techniques in Computer Networks**

Lesson 13 : **Layering in Computer Networks**

Lesson 14 : **The OSI Reference Model Part 1**

Lesson 15 : **The OSI Reference Model Part 2**

Lesson 16 : **The OSI Reference Model Part 3**

Lesson 17 : **The OSI Reference Model Part 4**

Lesson 18 : **Addressing in Networking**

Lesson 19 : **The TCP IP Protocol Suite**

Lesson 20 : **Basic Networking Commands Part 1**

Lesson 21 : **Basics of Cisco Packet Tracer Part 1**

Lesson 22 : **Basics of Cisco Packet Tracer Part 2 | Hub**

Lesson 23 : **Basics of Cisco Packet Tracer Part 3 | Switch**

Lesson 24 : **Basics of Router**

Lesson 25 : **Basics of Cisco Packet Tracer Part 4 | Router**

Lesson 26 : **Basics of Cisco Packet Tracer Part 5 | Repeater**

Lesson 27 : **Basics of Bridge**

Lesson 28 : **Network Devices**

Lesson 29 : **Network Devices Solved Questions**

Lesson 30 : **Physical Layer and Media Part 1**

Lesson 31 : **Physical Layer and Media Part 2**

Lesson 32 : **Physical Layer and Media Part 3**

Lesson 33 : **Line Configuration**

Lesson 34 : **Link Layer Services**

Lesson 35 : **Sub layers of the Data Link Layer**

Lesson 36 : **Framing Part 1**

Lesson 37 : **Framing Part 2**

Lesson 38 : **Framing Part 3**

Lesson 39 : **High Level Data Link Control HDLC**

Lesson 40 : **Bit Stuffing**

Lesson 41 : **Binary Synchronous Communications Protocol BISYNC**

Lesson 42 : **Point to Point Protocol PPP**

Lesson 43 : **Digital Data Communications Message Protocol DDCMP**

Lesson 44 : **Error Detection**

Lesson 45 : **Vertical Redundancy Check VRC**

Lesson 46 : **Longitudinal Redundancy Check LRC**

Lesson 47 : **Checksum**

Lesson 48 : **Cyclic Redundancy Check CRC Part 1**

Lesson 49 : **Cyclic Redundancy Check CRC Part 2**

Lesson 50 : **Cyclic Redundancy Check Solved Problem**

Lesson 51 : **Network Performance**

Lesson 52 : **Latency**

Lesson 53 : **Latency Simulation**

Lesson 54 : **Bandwidth Delay Product**

Lesson 55 : **Delay Solved Problem**

Lesson 56 : **Round Trip Time RTT**

Lesson 57 : **Flow Control**

Lesson 58 : **Stop and Wait Protocol**

Lesson 59 : **Stop and Wait ARQ Protocol**

Lesson 60 : **Sliding Window Protocol**

Lesson 61 : **Go Back N ARQ**

Lesson 62 : **Go Back N ARQ Solved Problem 1**

Lesson 63 : **Go Back N ARQ Solved Problem 2**

Lesson 64 : **Selective Repeat ARQ**

Lesson 65 : **Selective Repeat ARQ Solved Problem 1**

Lesson 66 : **Selective Repeat ARQ Solved Problem 2**

Lesson 67 : **Sliding Window Protocol Solved Problem 1**

Lesson 68 : **Sliding Window Protocol Solved Problem 2**

Lesson 69 : **Multiple Access Protocols**

Lesson 70 : **Pure Aloha**

Lesson 71 : **Slotted Aloha**

Lesson 72 : **Carrier Sense Multiple Access CSMA â€“ Part 1**

Lesson 73 : **Carrier Sense Multiple Access CSMA â€“ Part 2**

Lesson 74 : **Controlled Access Protocol â€“ Reservation**

Lesson 75 : **Controlled Access Protocol â€“ Polling**

Lesson 76 : **Controlled Access Protocol â€“ Token Passing**

Lesson 77 : **Channelization Protocols**

Lesson 78 : **Ethernet**

Lesson 79 : **Ethernet Solved Questions Part 1**

Lesson 80 : **Ethernet Solved Questions Part 2**

Lesson 81 : **Ethernet Transmitter Algorithm**

Lesson 82 : **Experience with Ethernet**

Lesson 83 : **Ethernet Solved Question 1**

Lesson 84 : **Ethernet Solved Question 2**

Lesson 85 : **Ethernet Solved Question 3**

Lesson 86 : **IEEE 802 11 Wireless Fidelity Wi Fi**

Lesson 87 : **IEEE 802 11 Distribution System**

Lesson 88 : **IEEE 802 11 Wi Fi Frame Format**

Lesson 89 : **Hidden Terminal Problem**

Lesson 90 : **Exposed Terminal Problem**

Lesson 91 : **Multiple Access with Collision Avoidance MACA**

Lesson 92 : **Wi Fi Solved Question**

Lesson 93 : **IEEE 802 15 1 Bluetooth**

Lesson 94 : **Bluetooth Protocol Stack**

Lesson 95 : **Virtual LAN VLAN**

Lesson 96 : **Spanning Tree Protocol STP**

Lesson 97 : **Spanning Tree Protocol Solved Question**

Lesson 98 : **Logical Addressing Subnetting | Chapter 3 | Computer Networks | nesoacademy org**

Lesson 99 : **Network Layer Protocols | Chapter 4 | Computer Networks | nesoacademy org**

Lesson 100 : **Routing Protocols | Chapter 5 | Computer Networks | nesoacademy org**

Lesson 101 : **NAT IPv6 | Chapter 6 | Computer Networks | nesoacademy org**

Lesson 102 : **Transport Layer | Chapter 7 | Computer Networks | nesoacademy org**

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