DATA COMMUNICATIONS AND COMPUTER NETWORKS

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What is data communication and computer networks? Data communications refers to the transmission of this digital data between two or more computers and a computer network or data network is a telecommunications network that allows computers to exchange data. The physical connection between networked computing devices is created using either a cable or wireless device.

What are the 5 components of data communication? 11.2 COMPONENTS OF DATA COMMUNICATION These are sender, receiver, communication medium, the message to be communicated, and certain rules called protocols to be followed during communication. The communication media is also called transmission media.

What is a DCN data communication network? Definition. The data communication network (DCN) refers to the network on which network elements (NEs) exchange Operation, Administration and Maintenance (OAM) information with the network management system (NMS). It is constructed for communication between managing and managed devices.

What are the characteristics of data communication in computer networks? The effectiveness of a data communications system depends on four fundamental characteristics: delivery, accuracy, timeliness and jitter. Delivery: The system must deliver data to the correct destination. Data must be received by the intended device or user. Accuracy: The system must deliver data accurately.

What are examples of data communication? A common example of data communication is connecting your laptop to a Wi-Fi network. This action requires a wireless medium to send and receive data from remote servers. The type of data

transmission demonstrates the direction in which the data moves between the sender and receiver.

How to study computer networks? To start learning computer networking, focus on the basics first. Understand concepts like network models, network types, and key devices. Learn about protocols. Online tutorials, books, and courses can help simplify these topics.

What are the requirements for data communication? The essential components of data communication are: Message: Information (data) to be communicated (e.g., text, numbers, pictures, video) Sender: The device that sends the data message (e.g., computer, video camera) Receiver: The device that receives the message (e.g., a computer, workstation, television)

What are the three types of data communication? The main types are simplex (one-way communication), half-duplex (two-way communication, but not simultaneously), and full-duplex (two-way communication simultaneously).

What is the need for computer networks? Computer networks enhance how we communicate with each other by using various electronic methods like email, instant messaging, online chat, voice and video calls, and video conferencing. Networks also enable the sharing of computing resources.

What does a DCN do? DCN is an abbreviation of the technical term Dynamic Circuit Network and designates a technology which allows fixed bandwidths between communication partners to be assigned in a short amount of time.

How does DCN work? A dynamic circuit network (DCN) is an advanced computer networking technology that combines traditional packet-switched communication based on the Internet Protocol, as used in the Internet, with circuit-switched technologies that are characteristic of traditional telephone network systems.

What are the data communications codes? Data communications codes are called character codes, character sets, symbol codes or character languages. The relationship of bytes to characters is determined by a character code.

What is the difference between data communication and computer network? A computer network is basically a set or group of a computer system and other related

hardware devices which are interrelated through different communication channels to implement proper communication procedures and related networking methodologies whereas data communication is basically a transmission process that ...

What is a protocol in data communication? protocol, in computer science, a set of rules or procedures for transmitting data between electronic devices, such as computers. In order for computers to exchange information, there must be a preexisting agreement as to how the information will be structured and how each side will send and receive it.

What is a sender in data communication? Sender: A sender is a computer or any such device which is capable of sending data over a network. It can be a computer, mobile phone, smartwatch, walkie-talkie, video recording device, etc. 2. Receiver: A receiver is a computer or any such device which is capable of receiving data from the network.

What are the characteristics of data communication in computer network? The effectiveness of a data communications system depends on four fundamental characteristics: delivery, accuracy, timeliness, and jitter. ? Delivery. The system must deliver data to the correct destination. Data must be received by the intended device or user and only by that device or user.

What is the main purpose of data communication? The fundamental purpose of data communications is to exchange information between user's computers, terminals and applications programs. ! In its simplest form data communications takes place between two devices that are directly connected by some form of point-to-point transmission medium.

How do computers transmit data? Computers connect to each other and to the Internet via wires, cables, radio waves, and other types of networking infrastructure. All data sent over the Internet is translated into pulses of light or electricity, also called "bits," and then interpreted by the receiving computer.

Is computer networking a good career? Network engineering is an exciting, complex, and often rewarding career path. It requires a combination of technical knowledge and problem-solving skills to be successful. With the right preparation

and dedication, you can become a successful network engineer and make a positive difference at an organization in 2024.

Is computer networks a hard course? Computer Networking Can Be a Challenge For example, you'll need to know how to operate and configure operating systems, mobile devices, PC hardware and software as well as business applications. You'll also need to know how to develop LAN and WAN networks and what potential network issues look like.

How long does it take to learn computer networks? The Computer Networking certificate program can be completed in 60 weeks. This is a great and quick way for students to get the skills required for entry-level positions. Most students choose the Associate of Science in Computer Networking program which takes approximately two years to complete.

What is coding in data communication and networking? Network coding refers to a technique in communication networks where network nodes can combine incoming data through algebraic operations before forwarding it, allowing for more efficient information delivery compared to traditional packet relaying.

Why is data communication important in our daily lives? Our modern, connected world hinges on data communication. It's the fundamental basis that allows our devices to interact, providing us with instant and convenient access to information like never before.

What is computer network easy definition? 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.

What is computer and communication network? 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. Let's answer some common computer networking FAQs.

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What is data computer networks? A data network is a system that allows two or more computers to communicate with each other. The most common type of data network is a Local Area Network (LAN). A LAN connects computers and other devices in a small area, such as a home, office, or school. A data network can also be a Wide Area Network (WAN).

What are 5 examples of resources that can be share on data communication and networks? Some examples of shareable resources are computer programs, data, storage devices, and printers. E.g. shared file access (also known as disk sharing and folder sharing), shared printer access, shared scanner access, etc. The shared resource is called a shared disk, shared folder or shared document.

What is a computer network with an example? A computer network is a system that connects two or more computing devices for transmitting and sharing information. Computing devices include everything from a mobile phone to a server. These devices are connected using physical wires such as fiber optics, but they can also be wireless.

What are the basic requirements for computer communication? The basic requirements for computer communication are: a sender device, a receiver device, a communication medium (wired or wireless), a protocol for data transmission, and a network interface for connecting devices.

What are the networking skills? Networking a vital skill that comprises personal communication, relationship management and professionalism, as a means of building connections with others to help your career develop. In its early stages, it can involve approaching or reaching out to individuals or organisations that can aid in your professional life.

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What is needed for data communication? The essential components of data communication are: Message: Information (data) to be communicated (e.g., text, numbers, pictures, video) Sender: The device that sends the data message (e.g., computer, video camera) Receiver: The device that receives the message (e.g., a computer, workstation, television)

Why do we need to study data communication? Conclusion of Data Communication A key component of modern technology, data transmission reduces the flow of information between networks, systems, and devices. To guarantee that data is sent exactly, quickly, and securely, it uses a variety of techniques and protocols.

What are the 4 main types of computer networks?

What are five computer networks? There are many types of computer networks, the common types of area networks including those five: LAN - Local Area Network, WAN - Wide Area Network, WLAN - Wireless Local Area Network, MAN - Metropolitan Area Network and CAN - Campus Area Network. LAN (Local Area Network) - Can go up to 1 KM radius.

Is the internet a data network? A wide area network (WAN) is a collection of LANs and other data networks that share information and communicate with each other over a large area (typically 50 kilometers or more in diameter). The internet is the largest example of a WAN in existence.

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What is person to person communication in computer network? Person to person communication applies to any system that allows a single person to talk to another single person, though the system may be used to address small groups.

What is an example of a logic question for an interview? Question: You are in a dark room with a candle, a wood stove, and a gas lamp. You only have one match, so what do you light first? Answer: The match. This question tests your basic logic and attention to detail.

What is an example of a logic question and answer? Logic Puzzle: There are two ducks in front of a duck, two ducks behind a duck and a duck in the middle. How many ducks are there? Answer: Three. Two ducks are in front of the last duck; the first duck has two ducks behind; one duck is between the other two.

How to answer logical questions?

How to prepare for a logic interview? Practice Problem-Solving: Solve logic puzzles, brainteasers, and sample logical reasoning questions to improve your problem-solving abilities. Practice identifying patterns, making logical deductions, and drawing conclusions.

What is a good example of logic? Logic uses given information to create an inference. For example, if you came home and found your leftovers were gone from the fridge and you lived with a roommate, logic would dictate your roommate ate your food based on the fact no one else should be in the house.

What are some examples of logical thinking? For example, if the statement is everything outside is wet because it is raining and a person realizes he left his shoes outside, logical reasoning would reach the conclusion that his shoes are wet: His shoes are outside. Everything outside is wet due to the rain. Therefore his shoes are wet.

How to test logical thinking in an interview?

What are the most common logical reasoning question types? The most common question types are: assumption questions, strengthening/weakening questions, flaw questions, and inference questions. Less common question types include argument method questions, paradox questions, parallel reasoning questions, point at issue questions, principle questions, and role questions.

What questions and answers will I be asked in an interview?

How to answer verbal reasoning questions? In verbal reasoning questions, test takers need to read between the lines to understand meanings that are not clearly presented in words. You are required to make inferences based on the given information in the text. One important note is that do not use any prior knowledge to solve the questions.

How do you practice logic questions?

What is logic in answer? Logic is traditionally defined as the study of the laws of thought or correct reasoning, and is usually understood in terms of inferences or arguments. Reasoning is the activity of drawing inferences. Arguments are the outward expression of inferences. An argument is a set of premises together with a conclusion.

What are examples of logical questions?

What are 4 tips for interviewing?

How do I pass my interview?

What is the logic test for job interview? A logic test is an effective reasoning skills test that measures a candidate's critical thinking abilities. It provides questions for prospective new hires that assess their ability to recognize patterns and relationships. Essentially, it examines their capacity for clear logical thinking.

What are the most common logical reasoning questions?

What is the most basic example of a logic statement? Explanation: The most basic example of a logic statement is the If-Then statement. In mathematics, an If-Then statement is a compound statement formed by combining two statements

using the word 'if' and 'then'. For example, 'If it rains, then I will use my umbrella.

What is a logical statement example? Anything that lets us infer a new fact about something mathematical from given information is a logical statement. For example, "The diagonals of a rectangle have the same length" is a logical statement.

How to fix sharing violation error when saving Excel? You can encounter the sharing violation error if the file you are trying to save is not in the trusted location. You can try moving the file to a trusted location by following these steps: In Excel, go to File and then click Options. Click Trust Center and then click Trust Center Settings.

How do I fix Excel encountered errors during save?

Why is my shared Excel file not saving? Check that the file is being used by someone else and ask them to close the file or save it with a different name. Reset the Excel cache by running the wsreset.exe command. You can press Windows + R, type wsreset.exe and then press Enter. This clears the cache and restarts Excel.

How do we fix errors in MS Excel What are the possible errors? Common Excel errors include #DIV/0!, #N/A, #NAME?, #NULL!, #NUM!, #REF!, and #VALUE! To fix these errors, we can adjust the column width, use IFERROR, check for formatting or syntax mistakes, or use formula auditing tools like Evaluate Formula and Error Checking.

Why is Excel not allowing me to save files? If the destination does not have sufficient space, Excel cannot complete the "save" operation, and you receive the following error message: Disk is Full.

How do I get rid of the error warning in Excel? Hide error indicators in cells You can prevent these indicators from being displayed by using the following procedure. On the File tab, select Options and choose Formulas. Under Error Checking, clear the Enable background error checking check box.

How to repair an Excel file that won't save?

What to do when Excel is not responding when saving?

How do I clear the Excel cache?

Why is my shared Excel file not sharing? Check privacy settings if you're having trouble sharing Click "Excel Options." Click "Trust Center Settings" and navigate to the "Privacy Options" category. If "Remove personal information from the file properties on save" is checked, uncheck it and try sharing the workbook again.

How do I save a shareable Excel file? Click Review > Share Workbook. On the Editing tab, select the Allow changes by more than one user ... check box. On the Advanced tab, select the options that you want to use for tracking and updating changes, and then click OK.

Why can't I save Excel files to my network drive? There are several possible reasons: - The file name or path does not exist. - The file is being used by another program. - The workbook you are trying to save has the same name as the currently open workbook.

How do I fix error values in Excel? Replace the #VALUE! error with something else like your own text, a zero or a blank cell. In this case you can add the IFERROR function to your formula. IFERROR checks to see if there's an error, and if so, replaces it with another value of your choice.

How do you accept Excel's suggestion for fixing the error? When Excel catches a formula error, it will suggest a correction. To accept the suggestion, click on the cell with the error. A context menu appears showing the error along with the suggested fix. Click on the suggestion to implement the correction.

How to solve an Excel problem?

How do you fix Excel errors were detected while saving?

Why is Excel not giving me the option to save as? The Save As feature in Word, Excel, and PowerPoint has been replaced by Save a Copy. To save a copy of a file, do the following: Tap File > Save a Copy.

How do I force Excel to save? Step 1. Hit the keyboard shortcut key "Ctrl + S" after working on the Excel Workbook. Step 2. It will launch the "Save this File" dialog box,

where you can change the name and state the file location, and hit the "save" option.

Why do I keep getting error in Excel? We must ensure that the Excel function or formula parameters are correct. For example, if you perform a mathematical operation such as multiplication, you should check that all the parameters are numeric. If you still see an error, check that no special characters or blank spaces generate it.

How to fix Excel File error?

How to clear an error in Excel? On the Excel menu, click Preferences. , and then clear the Enable background error checking check box. Tip: You can also hide precedent and dependent tracer arrows once you've identified the cell that is causing an error to appear. On the Formulas tab, in the Formula Auditing group, click Remove Arrows.

How do I fix shared violations in Excel in Mac?

Why is Excel not letting me share? Check privacy settings if you're having trouble sharing Click "Excel Options." Click "Trust Center Settings" and navigate to the "Privacy Options" category. If "Remove personal information from the file properties on save" is checked, uncheck it and try sharing the workbook again.

How to repair an Excel file that won't save?

How do I fix Excel compatibility error?

The Last Supper, the Crucifixion, and Resurrection: A Journey of Hope and Redemption

1. What is the significance of the Last Supper?

The Last Supper, also known as the Lord's Supper or Communion, was a pivotal event in Jesus' life. It marked the final meal he shared with his disciples before his crucifixion. During this supper, Jesus instituted the Eucharist, a sacrament that symbolizes his sacrifice and the unity of believers.

2. How did the Crucifixion shape Christianity?

The Crucifixion of Jesus Christ is the central event of Christianity. It represents the ultimate sacrifice made by God to redeem humanity from sin. Through Jesus' death on the cross, believers receive forgiveness and the promise of eternal life.

3. What is the evidence for the Resurrection?

The Resurrection of Jesus Christ is the cornerstone of Christian faith. According to biblical accounts, Jesus rose from the dead three days after his crucifixion. Numerous accounts from witnesses and the discovery of an empty tomb have led to widespread belief in the historical reality of the Resurrection.

4. What does the Resurrection symbolize?

The Resurrection symbolizes the ultimate victory over death and sin. It offers hope and assurance that believers will also experience resurrection and eternal life. The Resurrection also confirms Jesus' divinity and the truth of his teachings.

5. What is the significance of these events collectively?

The Last Supper, the Crucifixion, and the Resurrection constitute a cohesive narrative that reveals God's plan of redemption for humanity. These events demonstrate the sacrifice, grace, and power of God, and they offer hope, forgiveness, and everlasting life to those who believe in Jesus Christ.

> *logical question and answer for interview*, *ms excel sharing violation error when saving solved*, *the last supper the crucifixion and resurrection*

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