

Introduction to Network Programming – Take Home Assignment

Answer all the questions and submit your attempt on or before the given date.

1. What is Java Networking?
2. Java Networking Basics.
3. Advantages and disadvantages of Java networking.
4. Client-Server Architecture
 - What is Client?
 - What is Server?
5. Java Network Terminology (Explain below points with appropriate examples)
 - IP address
 1. Ipv4
 2. Ipv6
 - Protocol
 1. TCP
 2. UDP
 3. Telnet
 4. FTP
 5. SMTP
 6. POP
 - Port Number
 - MAC Address
 - Connection-oriented and connection-less protocol
 - Socket
 1. Server socket
 2. Local socket
 3. Remote socket
 - Skeleton and Stub
6. Explain Client-side programming and server-side programming.
7. Datagram Socket class.
8. What is a proxy?
9. What is Encryption and Decryption?
10. What is multitasking?
 - Thread based multitasking.
 - Process based multitasking.