

Command Usage

1. Use nslookup and dig commands on nitk.ac.in.
2. Ping nitk.ac.in with 4 packets of data. What is the number of packets received and % packets lost?

Socket Programming

1. Design and implement a client-server system for a simple echo service using socket programming. The system should meet the following requirements:
 - The client prompts the user to input a message and sends it to the server.
 - The server receives the message and sends it back to the client as an echo.
 - The client displays the echoed message received from the server.
 - The server must handle multiple clients concurrently using threading to support simultaneous connections.
2. Build a client-server system for a weather query service.
 - The client receives a city name from the user and sends it to the server.
 - The server simulates fetching weather data (e.g., from a hardcoded dictionary) and computes details like temperature, humidity, and conditions.
 - The server sends the weather report back to the client.
 - The client formats and displays the report.