

Advanced Java Programming Lab Sheet
IV Year /I Part
Faculty: CSIT

Lab sheet 4

Objectives:

1. Socket Programming using TCP
 2. Socket Programming using UDP
 3. HttpURLConnection
 4. Java Mail API
-
1. Write a Java program to implement a simple client-server communication using socket programming with TCP. The objective is to establish a two-way communication where the client sends a message to the server, and the server responds. Additionally, ensure that the communication is bidirectional, allowing the server to send a message back to the client.
 2. Implement a simple chat application using DatagramSocket for connectionless communication.
 3. Write a Java program using the HttpURLConnection class to connect to a specified URL, retrieve the HTML content, and display it on the console. Additionally, implement the capability to save the HTML content to a file, and ensure proper exception handling for IO operations.
 5. Write a java program to Send email messages using Java Mail API?