NETWORK PROGRAMMING

- 1. Develop a socket-based client-server communication system utilizing TCP for network communication where the client sends a message to the server and the server displays it
- 2. Develop a socket-based client-server communication system utilizing UDP for network communication where the client sends a message to the server and the server displays it.
- 3. Develop a socket-based client-server communication system utilizing TCP for network communication where the client sends a number to the server and the server checks if the received number is even or odd.
- 4. Develop a socket-based client-server communication system utilizing UDP for network communication where the client sends a number to the server and the server checks if the received number is even or odd.
- 5. Develop a socket-based client-server communication system utilizing TCP for network communication where the client sends a string to the server and the server checks if the received string is palindrome or not.
- 6. Develop a socket-based client-server communication system utilizing UDP for network communication where the client sends a string to the server and the server checks if the received string is palindrome or not.
- 7. Develop a socket-based client-server communication system utilizing TCP for network communication to enable the SO_REUSEADDR option to reuse the local address.
- 8. Develop a socket-based client-server communication system utilizing TCP for network communication to enable the SO_KEEPALIVE option to detect if the connection is still alive.