Date: ASSIGNMENT-1 PROBLEM STATEMENT: To develop any distributed application through implementing belief - serves communication programs backd on Java sockets SOFTWARE / HANDWARE REQUIREMENTS: Java Programming Environment, unisegistry, jdk 1.3 Edipse IDE THEORY: COCKET: In distributed computing, socket is defined as terminal of communication link through which two processes programs running on the How can communicate with each other The TCP layer can easily identify the application location & access information through the part immber assigned to the respective sockets. SOCKET PROGRAMMING FOR TCP: The following steps occur when establishing a Tel connection. . Server instantiates a server socket object denoting which port number communication is to become on. ii. Server invokes the accepter method of serves socket class. This mothed waits until dient connects to the server on the given iii after the server is wanting, a client That attacks a socket object specificing the server

name & port no. iv. On the server side, the necept () enethod returns a reference to new bocket on the server that is connected to the client's Sochet v. After the connection is established, a communication can occur using Ifo stream Each socket has looth input stream I order stream is connected to server's i/ stream & vice versa vi. TCP is a two-way communication protocol hence data can le sent on both sides RMI: RMI provides communication 6/10 JAVa applications that are deployed on different servere & connected remotely using objects. called stule & skeleton. The conhumication architecture makes a distributed application scens like a group of objects communication. This is a java object that acts as an entry point for the client object to route any SKELETON: This object behaves like a gateroay on the server side. It acts as a remote object with

