"शीलं परं भूषणम्" ज्ञान

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STUDENT'S ROLL NO. :

3330

Assignment 7 - Write a program using UDP Sockets for your chosen applications (using java/c)
1. Enplain VDP & Socket APIS. Explain different parameters to create a socket.
User Datagram Protocol (UDP) is a transport layer protocol. Unlike TCP, it is an unreliable &
a connection prior to the data transfer.
Up sorket noutines enouble simple It communication
datagram are sent to other hosts on an IP
network without the need to set up special
The UDP sorked needs to be opened for communication.
UDP socket APIs is a collection of socket calls
function between application programs -
UDP socket APIs is a collection of socket calls That enables you to perform primary communication function between application programs - 1) Set up and establish connections to other users on the retwork
2) Send & receive data to & from other users 3) Close down connections.
The socket fu
Parameters to Create Socket - The socket function is used to create a new socket descriptor. It takes
o would like,
(i) for the standard socket programming, the 1st argument is always AF_INET.

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	The state of the s
3.	Write logic for your Client and Server.
	Logic for Client program -
1.	Create the sorket about to come in the data
2.	Logic for Client program - Create the socket object for carrying the data. Create while loop
3.	Convert input office to but accome
4.	Create the data
5.	Thurse cond II worker for sending data
6.	Convert input string to byte array create the datagram packet for sending data. Invoke send call to actually send data. Break the loop.
01	prock the wop.
	Logic for Server Program -
	Create socket to listen at port 1234.
	I reall a datagroun societ to serve the data
3.	Keceive the data in byte buffer.
4.	Receive the data in byte buffer. Exit if the client sends datagram socket. Clear the buffer after every messege.
5	Clear the buffer after every message.