**write a client server program using tcp where client sends a string and server checks whether that string is palindrome or not and responds with appropriate message.**

import java.io.\*;

import java.net.\*;

public class ServerCode2 {

ServerSocket ss;

Socket socket;

BufferedReader sock\_in,kdb\_in;

PrintWriter sock\_out;

String str;

public ServerCode2()

{

try{

ss=new ServerSocket(8765);

System.out.println("Server is listening port 8765");

socket=ss.accept();

System.out.println("Connection established...");

kdb\_in=new BufferedReader(new InputStreamReader(System.in));

sock\_in=new BufferedReader(new InputStreamReader(socket.getInputStream()));

sock\_out=new PrintWriter(socket.getOutputStream());

while(true)

{

System.out.println("Msg from client");

str=sock\_in.readLine();

int k=str.length();

System.out.println(str);

int left=0,right=k-1;

int flag=1;

while(left<=right)

{

if(str.charAt(left)!=(str.charAt(right)))

{

flag=0;

break;

}

else

{

left++;right--;

}

}

if(flag==1)

str="....Palindrome....";

else

str="....Not Palindrome....";

sock\_out.println(str);

sock\_out.flush();

if(str.equals("bye"))

break;

}

}catch (Exception e) { }

}

public static void main(String arg[])

{

new ServerCode2();

}}

import java.io.\*;

import java.net.\*;

public class ClientCode{

Socket socket;

BufferedReader sock\_in,kdb\_in;

PrintWriter sock\_out;

String str;

public ClientCode()

{

try{

Socket socket=new Socket("127.0.0.1",8765);

kdb\_in=new BufferedReader(new InputStreamReader(System.in));

sock\_in=new BufferedReader(new InputStreamReader(socket.getInputStream()));

sock\_out=new PrintWriter(socket.getOutputStream());

while(true)

{

System.out.println("Enter the msg");

str=kdb\_in.readLine();

sock\_out.println(str);

sock\_out.flush();

System.out.println("Msg from Server");

str=sock\_in.readLine();

System.out.println(str);

if(str.equals("bye"))

break;

}

socket.close();

}catch (Exception e) { }

}

public static void main(String arg[])

{

new ClientCode();

}}