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| **import** java.net.\*;  **import** java.io.\*;  **import** java.sql.\*;  **class** trainserver  {  **public** **static** **void** main(String args[])  {  String Query;  ResultSet rs = **null**;  String msg;  **int** pnr = 0,trainnum=0;  String from = **new** String();  String to = **new** String();  String date = **new** String();  String name = **new** String();  **try**  {  ServerSocket ser=**new** ServerSocket(8000);  System.out.println("Server Started...");  Socket soc=**null**;  soc=ser.accept();  System.out.println("Received Connection: "+soc.getInetAddress().getHostAddress());  DataOutputStream out=**new** DataOutputStream(soc.getOutputStream());  BufferedReader in = **new** BufferedReader(**new** InputStreamReader(soc.getInputStream()));  **try**{  **Class**.forName("sun.jdbc.odbc.JdbcOdbcDriver");  Connection conn=DriverManager.getConnection("jdbc:odbc:mydb","scott","tiger");  Statement stmt=conn.createStatement();  msg = in.readLine();  pnr = Integer.parseInt(msg);  Query = "Select \* from train where pnrno = "+pnr;  rs = stmt.executeQuery(Query);  **if**(rs.next())  {  pnr = Integer.parseInt(rs.getString(1));  from = rs.getString(2);  to = rs.getString(3);  date = rs.getString(4);  name = rs.getString(5);  trainnum=Integer.parseInt(rs.getString(6));  }  **else**  {  System.out.println("invalid PNRNO");  }  }  **catch**(SQLException e)  {  System.out.println("Error Caught: "+e);  }  out.writeBytes("".valueOf(pnr));  out.write(10);  out.writeBytes(from);  out.write(10);  out.writeBytes(to);  out.write(10);  out.writeBytes(date);  out.write(10);  out.writeBytes(name);  out.write(10);  out.writeBytes("".valueOf(trainnum));  out.write(10);  soc.close();  }  **catch**(Exception e)  {  System.out.println("Error Caught: "+e);  }  }  } |

//Client side

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| **import** java.io.\*;  **import** java.net.\*;  **class** traindbclient  {  **public** **static** **void** main(String args[])  {  Socket objclient= **null**;  BufferedReader br = **null**,in = **null**;  DataOutputStream out = **null**;  **int** pnr = 0;  **try**  {  objclient = **new** Socket("Localhost",8000);  in = **new** BufferedReader(**new** InputStreamReader(objclient.getInputStream()));  br = **new** BufferedReader(**new** InputStreamReader(System.in));  out = **new** DataOutputStream(objclient.getOutputStream());  System.out.println("Enter the PNR NO: ");  pnr = Integer.parseInt(br.readLine());  out.flush();  out.writeBytes("".valueOf(pnr));  out.write(10);  System.out.println("PNRNo: "+in.readLine());  System.out.println("SOURCE : "+in.readLine());  System.out.println("DESTINATION: "+in.readLine());  System.out.println("JOURNEY DATE: "+in.readLine());  System.out.println("CUSTOMER NAME: "+in.readLine());  System.out.println("TRAIN NO: "+in.readLine());  objclient.close();  }  **catch**(Exception e)  {  System.out.println("Error Caught: "+e);  }  }  } |

Output:  
Server side:

Server Started…  
Received Connection: 127.0.0.1

Client Side:  
Enter the PNR NO: 1003  
PNRNo: 1003  
SOURCE: Mumbai  
DESTINATION: Palaghat  
JOURNEY DATE: 2009-11-03 00:00:00  
CUSTOMER NAME: Cyril  
TRAIN NO: 6834