create class student and define name and rollno field .  
define constructor to initialize data   
create show method to display data   
  
create another class Mainclass having main method   
  
create student class object and write its data to student.dat file using object output stream class

Sanjana Kumbhar

**package** serialiation\_assign;

**import** java.io.Serializable;

**public** **class** Student **implements** Serializable {

/\*\*

\*

\*/

**private** **static** **final** **long** ***serialVersionUID*** = 1L;

**private** String name;

**private** **int** rollNo;

**public** Student(String name, **int** rollNo) {

**this**.name = name;

**this**.rollNo = rollNo;

}

**public** **void** show() {

System.***out***.println("Name: " + name);

System.***out***.println("Roll No: " + rollNo);

}

**public** String getName() {

**return** name;

}

**public** **int** getRollNo() {

**return** rollNo;

}

}

**package** serialiation\_assign;

**import** java.io.FileOutputStream;

**import** java.io.IOException;

**import** java.io.ObjectOutputStream;

**public** **class** MainClass {

**public** **static** **void** main(String[] args) {

Student student = **new** Student("sanjana", 29);

student.show();

**try** (FileOutputStream f = **new** FileOutputStream("student.dat");

ObjectOutputStream o1 = **new** ObjectOutputStream(f)) {

o1.writeObject(student);

System.***out***.println("Student data has been serialized to student.dat");

} **catch** (IOException e) {

System.***err***.println("Error occurred: " + e.getMessage());

}

}

}

