**Experiment1:**

**Aim:**

**To implement serialization with IO handling.**

**Program:**

**import** java.io.\*;

**import** java.util.\*;

**class** Employee **implements** Serializable {

**private** String name;

**private** **int** eno;

**private** **float** salary;

**private** **int** age;

**private** Date doj;

@SuppressWarnings("deprecation")

**public** Employee( ) {

name="";

eno=100;

salary=0.0f;

age = 0;

doj = **new** ~~Date~~(2023,01,01);

}

**public** Employee(**int** eno,String name,**float** salary,**int** age,Date doj) {

**this**.eno = eno;

**this**.name = name;

**this**.salary = salary;

**this**.age = age;

**this**.doj = doj;

}

**public** String getName() {

**return** name;

}

**public** **int** getEno() {

**return** eno;

}

**public** **void** setEno(**int** eno) {

**this**.eno = eno;

}

**public** **void** setName(String name ) {

**this**.name=name;

}

**public** **void** setSalary(**float** salary) {

**this**.salary = salary;

}

**public** **float** getSalary() {

**return** salary;

}

**public** **void** setAge(**int** age) {

**this**.age = age;

}

**public** **int** getAge() {

**return** age;

}

**public** **void** setDate(Date doj) {

**this**.doj = doj;

}

**public** Date getDate( ) {

**return** doj;

}

@Override

**public** String toString() {

**return** getEno() + " "+getName() + " " + getSalary() + " " + getAge() + " " + getDate() + "\n";

}

}

**public** **class** Temp {

@SuppressWarnings("deprecation")

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

// **TODO** Auto-generated method stub

Employee e1 = **new** Employee(1,"God",100000.00f,45,**new** ~~Date~~(1970,8,15));

**try** {

FileOutputStream fos = **new** FileOutputStream("d:\\x.txt");

ObjectOutputStream oos = **new** ObjectOutputStream(fos);

oos.writeObject(e1);

fos.close();

oos.close();

}**catch**(Exception e) {

}

**try** {

FileInputStream fis = **new** FileInputStream("d:\\x.txt");

ObjectInputStream ois = **new** ObjectInputStream(fis);

e1=(Employee)ois.readObject();

System.***out***.println(e1);

fis.close();

ois.close();

}**catch**(Exception e) {

}

}

}

Result:

Thus the serialization and deserialization process has been implemented using file concept.