Assignment – 16

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**Write a program to serialize and de-serialize collection of employee objs ?**

**package** com.file;

**import** java.io.Serializable;

**public** **class** Employeeinfo **implements** Serializable {

String empname;

String empid;

**int** empsal;

**public** Employeeinfo(String empname, String empid, **int** empsal) {

**super**();

**this**.empname = empname;

**this**.empid = empid;

**this**.empsal = empsal;

}

@Override

**public** String toString() {

**return** "Employeeinfo [empname=" + empname + ", empid=" + empid + ", empsal=" + empsal + "]";

}

}

**SERILAZATION**

**package** com.file;

**import** java.io.FileOutputStream;

**import** java.io.IOException;

**import** java.io.ObjectOutputStream;

**import** java.util.ArrayList;

**public** **class** Empserializedrive {

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

ArrayList<Employeeinfo> a1=**new** ArrayList<Employeeinfo>();

Employeeinfo e1 = **new** Employeeinfo("Shashi","117z1a", 25000);

Employeeinfo e2 = **new** Employeeinfo ("tarun","10z423", 53000);

Employeeinfo e3 = **new** Employeeinfo ("bharath","a14033", 15000);

a1.add(e1);

a1.add(e2);

a1.add(e3);

FileOutputStream fos = **new** FileOutputStream("E:/sample/employee.ser");

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

oos.writeObject(a1);

System.***out***.println("object serilazed");

oos.close();

fos.close();

}

}

**Output**

**object serilazed**

**DE- SERILAZATION**

**import** java.io.FileInputStream;

**import** java.io.IOException;

**import** java.io.ObjectInputStream;

**import** java.util.ArrayList;

**public** **class** EmpDeSerialization {

**public** **static** **void** main(String[] args) **throws** IOException, ClassNotFoundException {

ArrayList<Employeeinfo> a1=**new** ArrayList<Employeeinfo>();

FileInputStream fis = **new** FileInputStream("E:/sample/employee.ser");

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

a1 = (ArrayList<Employeeinfo>) ois.readObject();

ois.close();

fis.close();

System.***out***.println(a1);

}

}

**Output**

[Employeeinfo [empname=Shashi, empid=117z1a, empsal=25000],

Employeeinfo [empname=tarun, empid=10z423, empsal=53000],

Employeeinfo [empname=bharath, empid=a14033, empsal=15000]]