Variation 1 – static implementation

Code:

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package days;

**sapert java.util.ArayList[]

**public lates imployee {
    public String new_eddres;
    string private introductions
    string private introductions
    this.salary = s;
    this.salary = s;
```

Output:

```
Console 
Console
```

Variation 2 – Dynamic (using files)

Code:

```
1 package day1;
    3@ import java.io.BufferedReader;
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12 public class Employeed {
                      public String name_address;
private int salary;
public int id;
static private List<Employeed> emob = new ArrayList<>();
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                       Employeed(){
                       Employeed(String n, String a, int s){
                                   this.name = n;
this.address = a;
this.salary = s;
this.id = LineCount()+1;
                                   try {
                                  try {
    BufferedWriter bw = new BufferedWriter(new FileWriter("data.tcs", true));
    bw.write(this.id+"@"+this.name+"@"+this.address+"@"+this.salary+"\n");
    bw.close();
}catch(IOException e) {
    System.out.println("write error");
}
                                   }
                       Employeed(int i, String n, String a, int s){
                                    this.name = n;
this.address = a;
                                   this.salary = s;
this.id = i;
                                             protected static int LineCount() {
  int co = 0;
  try {
                                                br.close();
                                 } catch(IOException e) {
    System.out.println("line count error");
                                   }
return(co);
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                       int Getsalary(Employeed emp) {
                                  return(emp.salary);
                       protected static void UpdateList() {
                                     emob.clear();
                                 try {
emob.add(new Employeed(Integer.parseInt(emval[0]),emval[1],emval[2],Integer.parseInt(emval[3])));
} catch(ArrayIndexOutOfBoundsException e) {
    System.out.println("array list index");
                                                        }
                                 }
}
br.close();
}catch(IOException e) {
   System.out.println("line reading error");
                       Employeed Getemob(int i) {
    return(emob.get(i));
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           class SUd extends Employeed{
                      SUd(){
                      SUd(String n, String a, int s) {
    super(n, a, s);
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                     private int Calculatesalary(Employeed emp) {
    return( Getsalary(emp) *10 );
                      public void Checkemp() {
                                 Inc Void Checkemp() {
| WpdateList();
| for (int i=0;i< LineCount();i++) {
| Employeed tmob = Getemob(i);
| System.out.println("ID: "*tmob.id+", Emp Name: "+ tmob.name +", Address: "+tmob.address+", Salary: "+tmob.Getsalary(tmob)+", Salary with hike: "+Calculatesalary(tmob));
| System.out.println("ID: "*tmob.id+", Emp Name: "+ tmob.name +", Address: "+tmob.address+", Salary: "+tmob.Getsalary(tmob)+", Salary with hike: "+Calculatesalary(tmob));
| System.out.println("ID: "*tmob.id+", Emp Name: "+ tmob.name +", Address: "+tmob.address+", Salary: "+tmob.Getsalary(tmob)+", Salary with hike: "+Calculatesalary(tmob));
| System.out.println("ID: "*tmob.id+", Emp Name: "+ tmob.name +", Address: "+tmob.address+", Salary: "+tmob.Getsalary(tmob)+", Salary with hike: "+Calculatesalary(tmob));
| System.out.println("ID: "*tmob.id+", Emp Name: "+ tmob.name +", Address: "+tmob.address+", Salary: "+tmob.Getsalary(tmob)+", Salary with hike: "+Calculatesalary(tmob));
| System.out.println("ID: "*tmob.id+", Emp Name: "+ tmob.name +", Address: "+tmob.address+", Salary: "+tmob.Getsalary(tmob)+", Salary with hike: "+Calculatesalary(tmob));
| System.out.println("ID: "*tmob.id+", Emp Name: "+ tmob.name +", Address: "+tmob.address+", Salary: "+tmob.Getsalary(tmob)+", Salary with hike: "+Calculatesalary(tmob));
| System.out.println("ID: "*tmob.id+", Emp Name: "+ tmob.name +", Address: "+tmob.address+", Salary: "+tmob.Getsalary(tmob)+", Sala
                    }
```

```
99 class Mainclsd(
1000 public static void main(String[] args) {
101 int rein=0;
102 String re;
103 SUd suser = new SUd();
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                                           Source = source = source;
while(rein!= 3) {
    System.out.println("1. To add 2. Be SU 3.Quit");
Scanner inr = new Scanner(System.in);
re = inr.nextLine();
                                                 ....er(System
....er(System
y {
    rein = Integer.parseInt(re);
} catch(Exception e) {
        rein=2;
}
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                                           switch(rein) {
                                                                                   System.out.println("name");
String name = inr.nextLine();
System.out.println("address");
String add = inr.nextLine();
System.out.println("salary");
String sal = inr.nextLine();
int insal;
try {
   insal = Integer.parseInt(sal);
} catch(Exception e) {
    insal=0;
}
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                                                                                      new Employeed(name,add,insal);
                                          case 2 : { suser.Checkemp(); break;
                                           case 3 : { System.out.println("quitting");
                                                                          inr.close();
                                                                          break;
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                                           default : System.out.println("enter valid no.");
  141
                     }
```

Output:

```
■ Console ⋈
<terminated> Mainclsd (1) [Java Application] C:\Languages\JRE8\bin\javaw.exe (11 Nov, 2020 12:25:16 PM – 12:26:20 PM)
1. To add 2. Be SU 3.Quit
ID: 1, Emp Name: Raj, Address: Alpha, Kolkata, Salary: 1000, Salary with hike: 10000
ID: 2, Emp Name: Ravi, Address: Beta, Kolkata, Salary: 300, Salary with hike: 3000
ID: 3, Emp Name: Raju, Address: Gamma, Kolkata, Salary: 200, Salary with hike: 2000
ID: 4, Emp Name: Ramu, Address: Delta, Kolkata, Salary: 400, Salary with hike: 4000
ID: 5, Emp Name: Rajesh, Address: Re, Olympus, Salary: 400, Salary with hike: 4000
1. To add 2. Be SU 3.Quit
name
address
read, Chebronyl
salary
1. To add 2. Be SU 3.Quit
ID: 1, Emp Name: Raj, Address: Alpha, Kolkata, Salary: 1000, Salary with hike: 10000
ID: 2, Emp Name: Ravi, Address: Beta, Kolkata, Salary: 300, Salary with hike: 3000
ID: 3, Emp Name: Raju, Address: Gamma, Kolkata, Salary: 200, Salary with hike: 2000
ID: 4, Emp Name: Ramu, Address: Delta, Kolkata, Salary: 400, Salary with hike: 4000
ID: 5, Emp Name: Rajesh, Address: Re, Olympus, Salary: 400, Salary with hike: 4000
ID: 6, Emp Name: Riyaz, Address: read, Chebronyl, Salary: 100, Salary with hike: 1000
1. To add 2. Be SU 3.Quit
quitting
```

File:

data.tcs - Notepad

File Edit Format View Help

1@Raj@Alpha, Kolkata@1000 2@Ravi@Beta, Kolkata@300 3@Raju@Gamma, Kolkata@200 4@Ramu@Delta, Kolkata@400 5@Rajesh@Re, Olympus@400 6@Riyaz@read, Chebronyl@100