

```
import java.io.*;

class Test3Files
{
    int[] sno={1,2,3,4,5};
    String[] empName={"Jon","Suresh","Harish","Ganesh","Praveen"};
    int[] empld={101,102,103,104,105};
    int[] basicPay={9500,9700,10000,5400,7000};
    int[] snor=new int[5];
    String[] empNamer=new String[5];
    int[] empldr=new int[5];
    int[] basicPayr=new int[5];
    int[] dar=new int[5];
    int[] hrar=new int[5];
    int[] totalr=new int[5];
    public void write()
    {
        try
        {
            int i=0;
            FileWriter fw=new FileWriter("result.txt");
            BufferedWriter bw=new BufferedWriter(fw);
            while(i<5)
            {
                bw.write(sno[i]+"");
                bw.newLine();
                bw.write(empName[i]);
                bw.newLine();
                bw.write(empld[i]+"");
                bw.newLine();
            }
        }
    }
}
```

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        bw.write(basicPay[i]+"");
        bw.newLine();
        i++;
    }
    bw.close();
}
catch(Exception e)
{
    System.out.println(e+"");
}
}

public void read()
{
    try
    {
        FileReader fr=new FileReader("result.txt");
        BufferedReader br=new BufferedReader(fr);
        int j=0;

        System.out.println("\n\n");

        System.out.println("\nWelcome to the File Program\n\nDate:07-02-2018\n\nThe Following is the
data available from the file\n\n");

        System.out.println("Sl.NO \t Name \t EmpId \t BasicPay");
        while(j<5)
        {
            snor[j]=Integer.parseInt(br.readLine());
            empNamer[j]=br.readLine();
            empldr[j]=Integer.parseInt(br.readLine());

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```
basicPayr[j]=Integer.parseInt(br.readLine());
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```
dar[j]=(basicPayr[j]*50)/100;
```

```
hrar[j]=(basicPayr[j]*12)/100;
```

```
totalr[j]=basicPayr[j]+dar[j]+hrar[j];
```

```
System.out.println(snor[j]+" \t " +empNamer[j]+" \t"+empld[j]+" \t"+basicPayr[j]);
```

```
j++;
```

```
}
```

```
br.close();
```

```
}
```

```
catch(Exception e)
```

```
{
```

```
System.out.println(e+"");
```

```
}
```

```
}
```

```
public void tmk()
```

```
{
```

```
int m=0,o=0;;
```

```
while(o<5)
```

```
{
```

```
int h=basicPayr[o];
```

```
int v=0;
```

```
int mj=0;
```

```
int temp;
```

```
int temp5;
```

```
String temp2;
```

```
int lo=0;
```

```
while(v<5)
```

```
{
```

```
while(mj<4)
{
    lo++;
    if(basicPayr[mj]>basicPayr[lo])
    {
        temp5=basicPayr[mj];
        basicPayr[mj]=basicPayr[lo];
        basicPayr[lo]=temp5;

        temp=snor[mj];
        snor[mj]=snor[lo];
        snor[lo]=temp;

        temp2=empNamer[mj];
        empNamer[mj]=empNamer[lo];
        empNamer[lo]=temp2;

        temp=empldr[mj];
        empldr[mj]=empldr[lo];
        empldr[lo]=temp;
        temp=dar[mj];
        dar[mj]=dar[lo];
        dar[lo]=temp;
        temp=hrar[mj];
        hrar[mj]=hrar[lo];
        hrar[lo]=temp;

    }
    mj++;
}
```

```
}  
v++;  
}  
o++;
```

```
}  
try  
{  
System.out.println("\n\nAfter Descending order\n\n");  
int j=4;  
while(j>=0)  
{  
  
System.out.println(sno[j]+" \t " +empName[j]+" \t"+empId[j]+" \t"+basicPayr[j]);  
j--;  
}  
}catch(Exception e)  
{  
System.out.println(e+"");  
}  
}  
public void fullread()  
{  
int lo=4;
```

```
System.out.println("\n\n");
```

```
System.out.println("\n\nThe DA is Calculated 50% of BasicPay\n\nHRA is Calculated as 12% of  
BasicPay\n\nTotal Salary is Calculated by Sum of Basicpay, DA, HRA and Total Salary\n\n");
```

```

System.out.println("Sl.NO \t Name \t EmpId \t BasicPay \t DA \t HRA \t Total Salary");
while(lo>=0)
{
    System.out.println(snor[lo]+" \t"+empNamer[lo]+" \t"+empldr[lo]+" \t"+basicPayr[lo]+" \t"+dar[lo]+"
\t"+hrar[lo]+" \t"+totalr[lo]);
    lo--;
}
}
}

```

```

public class JavaTestFile
{
    public static void main(String args[]) throws IOException
    {
        Test3Files t=new Test3Files();
        t.write();
        t.read();
        t.tmk();
        t.fullread();
        System.out.println("\n\nThank you for using Files");
    }
}

```

Output

```
C:\Users\HP\Desktop\JavaTestFile.java
File Edit Tools Project Debugger Language Level Help
New Open Save Close Cut Copy Paste Undo Redo Find Compile Reset Run Test Javadoc Code Coverage
JavaTestFile.java
Interactions Console Compiler Output
Welcome to DrJava. Working directory is C:\Users\HP\Desktop
> java JavaTestFile

Welcome to the File Program

Date:07-02-2018

The Following is the data available from the file

Sl.NO      Name      EmpId      BasicPay
1           Jon       101        9500
2           Suresh    102        9700
3           Harish    103        10000
4           Ganesh    104        5400
5           Praveen   105        7000

After Descending order

3           Harish    105        10000
2           Suresh    104        9700
1           Jon       103        9500
5           Praveen   102        7000
4           Ganesh    101        5400

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```

```
C:\Users\HP\Desktop\JavaTestFile.java
File Edit Tools Project Debugger Language Level Help
New Open Save Close Cut Copy Paste Undo Redo Find Compile Reset Run Test Javadoc Code Coverage
JavaTestFile.java
Interactions Console Compiler Output
5           Praveen   105        7000

After Descending order

3           Harish    105        10000
2           Suresh    104        9700
1           Jon       103        9500
5           Praveen   102        7000
4           Ganesh    101        5400

The DA is Calculated 50% of BasicPay
HRA is Calculated as 12% of BasicPay
Total Salary is Calculated by Sum of Basicpay, DA, HRA and Total Salary

Sl.NO      Name      EmpId      BasicPay  DA      HRA      Total Salary
3           Harish    103        10000     5000    1200    11340
2           Suresh    102        9700      4850    1164    8748
1           Jon       101        9500      4750    1140    16200
5           Praveen   105        7000      3500    840     15714
4           Ganesh    104        5400      2700    648     15390

Thank you for using Files
>

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```