

```
1151
1152  /*Exception handling*/
1153  import java.util.*;
1154  class wrg extends Exception{
1155      int f,s;
1156      wrg(int fa,int sa){
1157          f=fa;
1158          s=sa;
1159      }
1160      public String toString(){
1161          return "Father's age("+f+") cant be <= to son's age("+s+")...";
1162      }
1163  }
1164  class neg extends Exception{
1165      int a;
1166      neg(int fa){
1167          a=fa;
1168      }
1169      public String toString(){
1170          return "Age("+a+") cant be negative";
1171      }
1172  }
1173  class Father{
1174      int age;
1175      String name;
1176      Scanner in=new Scanner(System.in);
1177      Father() throws neg{
1178          System.out.print("Enter father's name : "); name=in.next();
1179          System.out.print("Enter father's age : "); age=in.nextInt();
1180          if(age<0){
1181              throw new neg(age);
1182          }
1183      }
1184  }
1185  class Son extends Father{
1186      int sage;
```

```
1186 int sage;
1187 String sname;
1188 Scanner in=new Scanner(System.in);
1189 Son() throws neg,wrg{
1190     super();
1191     System.out.print("Enter son's name : "); sname=in.next();
1192     System.out.print("Enter son's age : "); sage=in.nextInt();
1193     if(sage<0){
1194         throw new neg(sage);
1195     }
1196     if(sage>=age){
1197         throw new wrg(age,sage);
1198     }
1199     System.out.println("Father's age is "+age+" and Son's age is "+sage);
1200 }
1201 }
1202 class Series{
1203     public static void main(String args[]){
1204         try{
1205             Son s=new Son();
1206         }
1207         catch(neg n){
1208             System.out.println("Exception caught : "+n);
1209         }
1210         catch(wrg w){
1211             System.out.println("Exception caught : "+w);
1212         }
1213     }
1214 }
1215
1216
```

```
C:\Users\Shreshtha Aggarwal\Desktop\java>javac Series.java
```

```
C:\Users\Shreshtha Aggarwal\Desktop\java>java Series
```

```
Enter father's name : a
```

```
Enter father's age : 30
```

```
Enter son's name : b
```

```
Enter son's age : 10
```

```
Father's age is 30 and Son's age is 10
```

```
C:\Users\Shreshtha Aggarwal\Desktop\java>java Series
```

```
Enter father's name : a
```

```
Enter father's age : -32
```

```
Exception caught : Age(-32) cant be negative
```

```
C:\Users\Shreshtha Aggarwal\Desktop\java>java Series
```

```
Enter father's name : a
```

```
Enter father's age : 30
```

```
Enter son's name : b
```

```
Enter son's age : 50
```

```
Exception caught : Father's age(30) cant be <= to son's age(50)...
```

```
C:\Users\Shreshtha Aggarwal\Desktop\java>
```