→

```java
import java.util *;
class WrongAgeException extends Exception {string ms
= new String ();
WrongAgeException (string x) {msg = x; }
public String toString ()
{
    return msg;
}
}

class Father
{
    int f_age;
    Father ()
    throws WrongAgeException
    {
        Scanner s = new Scanner (System. in);
        System.out.println ("Father age <0");
    }
}

void display ()
{
    System.out.println ("Fathers age: "+f_age);
}
}

class Son extends Father {
    int s_age;
    Son() throws Wrong Age Exception
```

```java
{
    Scanner s = new Scanner (System.in);
    System.out.println ("Enter son's age:");
    s_age = s.nextInt ();
    if (s_age < 0)
    {
        throw new WrongAgeException ("Son age < 0");
    }
    else if (s_age > f_age)
    {
        throw new WrongAgeException ("Son age is > that if
            father's age!");
    }
}

void display ()
{
    System.out.println ("Father age: " + f_age );
    System.out.println (" Son age: " + s_age );
}
}
class excep
{
    public static void main (String [] args)
    {
        try
        {
            Father f = new Father ();
            f.display ();
            Son s = new Son ();
```

```
s. display ();
}
atch (WrongAge Exception wae)

ystem. out. println (wae); ;

}
}
```

Output

Enter father's age.
        18
    father age:
        18
Enter son's age:
        45
Son age is > that father's age!

Enter father age:
        45
    Father age
        45
Enter son's age
        18
    Father age: 45
        Son age: 18