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```
import java.util.*;
class WrongAge extends Exception{
    WrongAge(){
        System.out.println("Age cannot be negative");
    }
    WrongAge(int f,int s){
        System.out.println("Son's age cannot be greater than or equal to Fathers age");
    }
}
class Father{
    int f;
    void getf() throws WrongAge{
        Scanner sc=new Scanner(System.in);
        System.out.println("Enter Fathers Age");
        f=sc.nextInt();
        if(f<0){
            throw new WrongAge();
        }
    }
}
class Son extends Father{
    int s;
    void getf()throws WrongAge{
        super.getf();
        Scanner sc=new Scanner(System.in);
        System.out.println("Enter son's age");
        s=sc.nextInt();
        if(s>=f || s<0){
            throw new WrongAge(f,s);
        }
    }
}
class ExceptionHandling{
    public static void main(String args[]){
        Father f1=new Father();
        Son s1= new Son();
        try{
            s1.getf();
            System.out.println("Fathers Age :"+s1.f+"\nSon's Age :"+s1.s);
        }
        catch(Exception e){
            System.out.println("Enter valid age");
        }
    }
}
```

```
class ExceptionHandling{
    public static void main(String args[]){
        Father f1=new Father();
        Son s1= new Son();
        try{
            s1.getf();
            System.out.println("Fathers Age :"+s1.f+"\nSon's Age :"+s1.s);
        }
        catch(Exception e){
            System.out.println("Enter valid age");
        }
    }
}
```

```
C:\Users\pankaj gupta\Desktop\lab>java ExceptionHandling
```

```
Enter Fathers Age
```

```
20
```

```
Enter son's age
```

```
40
```

```
Son's age cannot be greater than or equal to Fathers age
```

```
Enter valid age
```

```
C:\Users\Pankaj Gupta\Desktop\lab>java ExceptionHandling
```

```
Enter Fathers Age
```

```
40
```

```
Enter son's age
```

```
19
```

```
Fathers Age :40
```

```
Son's Age :19
```

```
C:\Users\Pankaj Gupta\Desktop\lab>java ExceptionHandling
```

```
Enter Fathers Age
```

```
-4
```

```
Age cannot be negative
```

```
Enter valid age
```

```
C:\Users\Pankaj Gupta\Desktop\lab>java ExceptionHandling
```

```
Enter Fathers Age
```

```
50
```

```
Enter son's age
```

```
50
```

```
Son's age cannot be greater than or equal to Fathers age
```

```
Enter valid age
```

package interface - exception handling;

class Father extends Exception {

private int Fage;

Father() {}

Father(int a) {

Fage = a;

}

public String toString() {

return "Father age cannot be negative: . . .";

}

}

class Son extends Father {

int sage;

int fage;

Son(int s, int f) {

sage = s;

fage = f;

}

public String toString() {

return "Father age cannot be less than or equal to son's age";

}

}

class Exception {

static void ageCompare(int fage, int sage) throws Son {

if (fage <= sage)

throw new Son(sage, fage);

}

```

static void NegativeAgeCheck (int age) throws Father {
    if (age < 0)
        throw new Father (age);
}

```

```

public static void main (String args[]) {

```

```

    try {
        NegativeAgeCheck (-30);

```

```

    } catch (Father e) {

```

```

        System.out.println(e);

```

```

    }

```

```

    try { AgeCompare (16, 26); }

```

```

    catch (Son e) {

```

```

        System.out.println(e);

```

```

    }

```

```

}

```

```

}

```