

```
import java.util. Scanner;
```

```
class fatherAgeException extends Exception
```

```
{  
    public String toString()  
    {  
        return ("Wrong Age! Father's age is less than 0");  
    }  
}
```

```
class sonAgeException extends Exception
```

```
{  
    int a, b;  
    sonAgeException (int saage, int fage)  
    {  
        a = saage;  
        b = fage;  
    }  
    public String toString()  
    {  
        if (a == b)  
            return ("Wrong Age!! Son's age is = to father's age");  
        if (a < b)  
            return ("Wrong Age!! Son's age is < than 0");  
        else  
            return ("Wrong Age!! Son's age > father's age");  
    }  
}
```

```
class Father
```

```
{  
    public int age1;  
    Scanner in = new Scanner(System.in);  
    int age1;
```


Father()

{

System.out.println("Enter father's age:");

age1 = in.nextInt();
}

void ex1() throws FatherAgeException

{

if (age < 0)

throw new FatherAgeException();
}

class Son extends Father

{

public int age2;

Son()

{

System.out.println("Enter son's age:");
age2 = in.nextInt();

}

void ex2() throws sonAgeException

{

if (age2 < 0 || age2 >= age1)

throw new sonAgeException(age2, age1);

}

class age
{

public static void main (String [] args) {

Son s = new Son (); {

try {

s.a1();

}

catch (FatherAgeException e)

{

System.out.println(e);

}

try

{

s.a2();

}

catch (SonAgeException e)

{

System.out.println(e);