

```

import java.util.*;
class Father
{
    Father(int age)
    {
        try
        {
            if(age<0)
            {
                throw new ArithmeticException("Invalid age");
            }
            else
            {
                System.out.println("Father's age: "+age);
            }
        }
        catch (ArithmeticException e)
        {
            System.out.println("Error"+e);
        }
    }
}
class Son extends Father
{
    Son(int agef,int ages)
    {
        super(agef);
        try
        {
            if(agef<ages)
            {
                throw new ArithmeticException("Invalid input of ages");
            }
            else
            {
                System.out.println("Age of the son is: "+ages);
            }
        }
        catch(ArithmeticException o)
        {
            System.out.println("Exception: "+o);
        }
    }
}
class trial
{
    public static void main(String args[])
    {
        Scanner sc = new Scanner(System.in);
        System.out.println("Enter the father's age: ");
        int i=sc.nextInt();
        Father objf=new Father(i);
        System.out.println("Enter the Sons's age:");
        int j=sc.nextInt();
        Son objs=new Son(i,j);
    }
}

```

```
"C:\Program Files\Java\jdk1.8.0_261\bin\java.exe" ...
```

```
Enter the father's age:
```

```
25
```

```
Father's age: 25
```

```
Enter the Sons's age:
```

```
45
```

```
Father's age: 25
```

```
Exception: java.lang.ArithmeticException: Invalid input of ages
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Process finished with exit code 0
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