WEEK 6: FATHER SON EXCEPTION PROBLEM

```java
import java.util.Scanner;
class FatherAgeException extends Exception
{
    public String toString()
    {
        return("Father's age is less than 0");
    }
}

class SonAgeException extends Exception
{
    int a;
    SonAgeException(int age)
    {
        a=age;
    }
    public String toString()
    {
        if(a<0)
        return("Son's age is less than0);
        else
        return("Son's age is more than father's age");
    }
}

class Father
{
    int age;
    Scanner in = new Scanner(System.in);
    Father() { S.o.P("Enter Father's age :");
    age = in.nextInt();
    }
}
```

```java
void ex1() throws fatherException
{
    if(age<0)
        throw new fatherException();
}
}

class Son extends Father
{
    int age;
    Son()
    {
        S.o.p("Enter son's age:");
        age = in.nextInt();
    }

    void ex2() throws SonAgeException
    {
        if(age<0 || age>father.age)
        {
            throw new SonAgeException(age);
        }
    }
}

class except
{
    psvm(String args[])
    {
        Son s = new Son();
        try{
            s.ex2();
        }
        catch(SonAgeException e)
        {
            S.o.p(e);
        }
    }
}
```

OUTPUT:


```
Command Prompt                                    —   □   ×

C:\Users\dhru2\OneDrive\Desktop\1BM21CS057>java except
Enter the father's age:
23
Enter the age of son:
45
Son's age is more than father's age

C:\Users\dhru2\OneDrive\Desktop\1BM21CS057>
```