

# CODE

```

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

class SonAgeException extends Exception {
    int age;
    public String toString() {
        if (age < 0)
            return ("Son's age is less than 0");
        else
            return ("Son's age is not less than father's age");
    }
}

// Father
int age;
Scanner in = new Scanner(System.in);
Father() { G.U.D("Enter Father's age: ");
    age = in.nextInt();
}

```

void ex1() throws FatherAgeException

```
{
    if (age < 0)
        throw new FatherAgeException();
}
```

Class Son extends Father

```
{
    int age;
    Son()
    {
        S.O.P("Enter Son's age:");
        age = in.nextInt();
    }
}
```

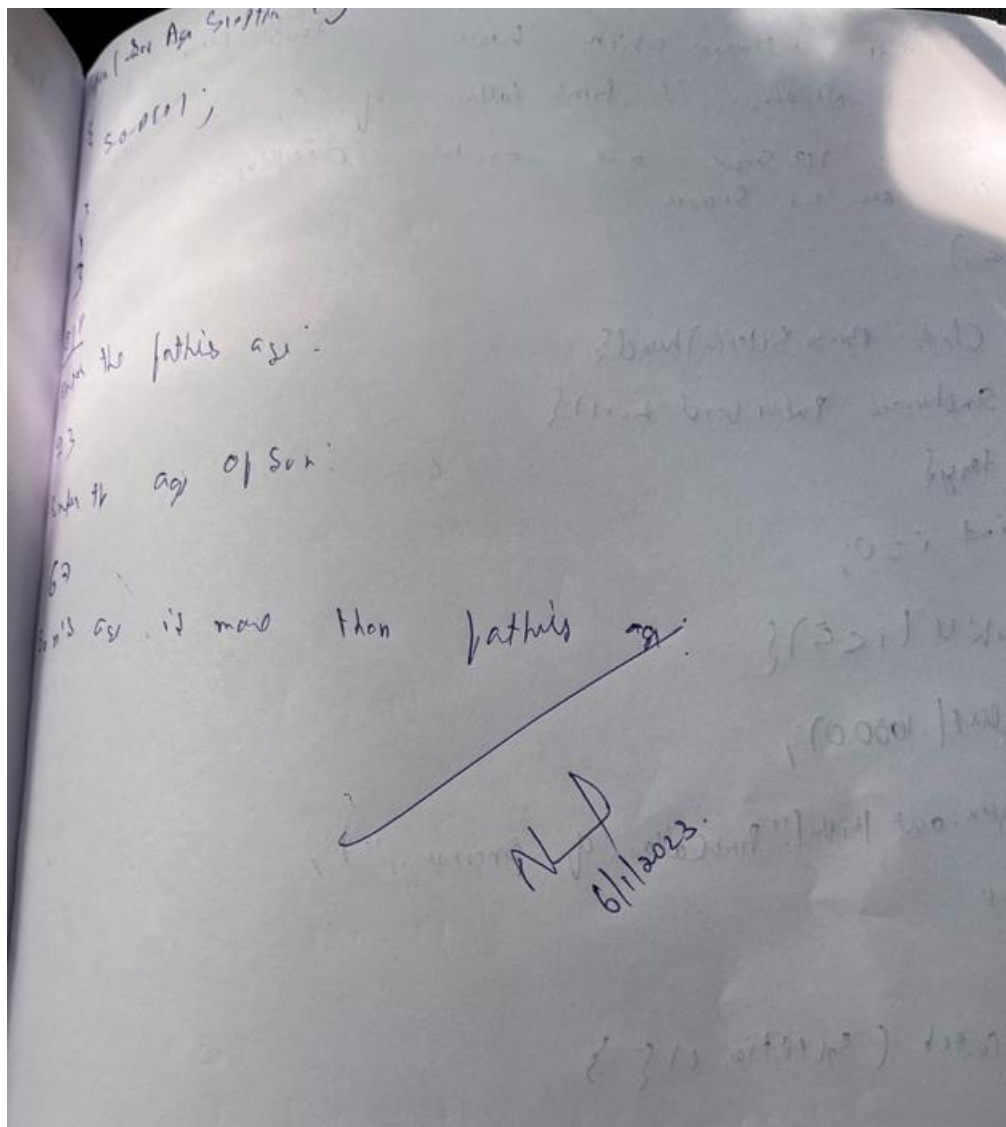
void ex2() throws SonAgeException

```
{
    if (age < 0 || age > 100)
        throw new SonAgeException();
}
```

catch exception

pgum (String, int[])

```
{
    Son s = new Son();
    try {
        s.ex1();
    }
}
```



## OUTPUT

```
C:\Users\BMSCE\Desktop\IBM21CS060>java age
Enter father's and son's ages
22
1
Father is 22 years old and son is 1 years old
C:\Users\BMSCE\Desktop\IBM21CS060>java age
Enter father's and son's ages
22
33
Son can't be older than father
```

