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Q) WAP that demonstrates exception handling in inheritance stream. Create a base class called "Fatha" and derive class called as "son" which extent the base class. in Father class implement a constructor which

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```
import java.util.Scanner

class WrongAge extends Exception {
    public WrongAge(String message) {
        super(message);
    }
}

class Father {
    int age;

    public Father(int age) throws WrongAge {
        if (age < 0) {
            throw new WrongAge("Age cannot be negative");
        }
```

```
        this.age = age;
        SOP(" Father's Age: " + this.age);
    }
}

class Son extends Father {
    int sonAge;

    public Son(int FatherAge, int sonAge throws WrongAge{
        super(FatherAge);
        iF(sonAge < 0){
            throw new WrongAge(" Son's age cannot be
                                negative");
        }
        if (sonAge >= FatherAge) {
            throw new WrongAge(" Son's Age Cannot
                                be Greater or Equal to
                                Father's age");
        }
        this.sonAge = sonAge;
        SOP("Son's age : " + this.sonAge);
    }
}
```

```
public class FatherSon {
    public static void main(String[] args) {
    Scanner scanner = new Scanner(System.in);

    SOP("Enter Father's Age: ");
    int FatherAge = scanner.nextInt();

    SOP("Enter son's age:");
    int sonAge = scanner.nextInt();

    try {
        Son son = new Son(FatherAge, sonAge);
    } catch(WrongAge e) {
        SOP("Exception: " + e.getMessage());
    }

    scanner.close();
}
}
```

Enter Father's Age: 34

Enter Son's Age: 12

Father's Age: 34

Son's Age: 12