

Lab Program 7  
import java.util.Scanner;

```
class WrongAge extends Exception {  
  
    WrongAge() {  
        super("Age Error");  
    }  
  
    WrongAge(String message) {  
        super(message);  
    }  
}  
  
class InputScanner {  
  
    Scanner scanner = new Scanner(System.in);  
}  
  
class Father extends InputScanner {  
  
    int FatherAge;  
  
    Father() throws WrongAge {  
        System.out.println("Enter Father's Age:");  
        FatherAge = scanner.nextInt();  
        if (FatherAge < 0) {  
            throw new WrongAge("Age Cannot be negative");  
        }  
    }  
  
    void display() {  
        System.out.println("Father's Age:" + FatherAge);  
    }  
}  
  
class Son extends Father {  
  
    int SonAge;
```

```
Son() throws WrongAge {
    super();
    System.out.println("Enter Son's Age:");
    SonAge = scanner.nextInt();
    if (SonAge < 0) {
        throw new WrongAge("Age Cannot be negative");
    } else if (SonAge >= FatherAge) {
        throw new WrongAge("Son's Age cannot be greater than father's age");
    }
}
void display() {
    super.display();
    System.out.println("Son's Age:" + SonAge);
}
}

public class Mainclass {
    public static void main(String[] args) {
        try {
            Son obj = new Son();
            obj.display();
        } catch (WrongAge e) {
            System.out.println("Exception: " + e.getMessage());
        }
    }
}
```

