

Lab-9

```
import java.util.*;
class WrongAge extends Exception {
    int F, S;
    WrongAge(int fage, int sage) {
        F = fage;
        S = sage;
    }
    public String toString() {
        return "please enter the correct ages of  
father's age can't be less than or equal  
to the son's age";
    }
}
class NegativeAge extends Exception {
    int x;
    NegativeAge(int fage) {
        x = fage;
    }
    public String toString() {
        return "Age can't be negative value";
    }
}
class Father {
    int fage;
    Scanner in = new Scanner(System.in);
    Father() throws NegativeAge {
        System.out.println("Enter the father's age");
        fage = in.nextInt();
        if (fage < 0) {
            throw new NegativeAge(fage);
        }
    }
}
```



```

class Son extends Father {
    int Sage;
    Scanner in = new Scanner(System.in);
    Son();
    System.out.println("Enter the son's age:");
    Sage = in.nextInt();
    if (Sage < 0)
    {

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        throw new NegativeAge(Sage);
    }

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    if (Sage >= Page) {

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        throw new WrongAge(Page, Sage);
    }
}

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class AgeDisplay {
    public static void main(String args[]) {

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        try {
            Son s = new Son();

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        } catch (NegativeAge n) {
            System.out.println("Exception: " + n);

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        }
    }

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    catch (WrongAge w) {

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        System.out.println("Exception: " + w);
    }
}
}

```

```

}
}

```