

```

import java.util.Scanner;

class WrongAgeException extends Exception {

    public String toString() {
        return ("Entered age is negative");
    }
}

```

```

}

class AgeException extends Exception {

    public String toString() {
        return ("Age entered of the father is greater than that of the son");
    }
}

```

```

class Father {

    int father_age;

    Father(int x) throws WrongAgeException {
        father_age = x;
        if (father_age < 0) {
            throw new WrongAgeException();
        }
    }
}

```

```

}

class Son extends Father {

    int son_age;

    Son(int x, int y) throws AgeException, WrongAgeException {
        super(x);
        son_age = y;
        if (son_age < 0) {
            throw new WrongAgeException();
        }

        if (son_age >= father_age) {

```

class Lab-7 {

public static void main (String[] args) {

try {

Scanner s = new Scanner (System.in);

System.out.println ("Enter father's and son's ages");

int x = s.nextInt();

int y = s.nextInt();

Son so = new Son (x, y);

System.out.printf ("Father is %d years old and son is %d years old", so.
father-age, so.son-age);

} catch (WrongAgeException wa) {

System.out.println (wa);

}

catch (AgeException a) {

System.out.println (a);

}

catch (Exception e) {

System.out.println ("Enter Valid Values");

}

}

}

Output

Enter father's and son's ages

40

10

Father is 40 years old and son is 10 years old

Enter father's and son's ages

10

40

Age entered of the father is greater than that of son

Enter father's and son's ages

-50

15

Entered age is negative

~~3 (age [1 print])~~

Wakil

30-12-2022

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