1ab-7: 30124

Write a program that demonstrates haudling of exceptions in inheritance tree. Creak a base class called "Father" and desired class called "Sop" which extends the base class. In father class, implement a constructor which takes the age & throws the exceptor corongage () when Input age <0. In son class, implement a constructor that cares both father and son's agr and throws an exception if son's age is > = father's age.

import java util. Scanner ;

class WrongAge entends Excepting {

public WrongAge (Stornge) {

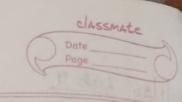
supexle);

}

class Input Scanner & Scanner s = new Scanna (System. in);

class Father entends Input Scanner f int Father Age;

public father () throws wrongther of system. out. println ("Entertather's Age:"); fatherAge = 8. next (n2();



if (fatherAge < 0) {

throw new WrongAge ("Age cannot be negative");

2

public void display() {

Rystem. out. println ("Father's age";

father Age);

class son entends Fathers int son Age;

public son () throws woon grage? super();

System. io cet-println ("Enter son's Aug")

son Age = s-nex+(nt();

if (son Age > - father Age) of throw new wrong Age ("son's age cannot be greater than fathers

else y (son pge <0) { throw new wrong Age ("Age connot be negassue");

> public void display () f super-display ();

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System.out.println ("son's age: "+son Age); for's age connot be garales public static void main (string () augs) son son = new son (); ecitch (conongage e)?

Bystem.out. println ("toror:") + e.get Menager); Output!

Enter Father's age: 35 Enter son's age: 15

Father's age: 35 Son's age: 15

Output 2:

Enter Father's age: 45

