

Write a program that demonstrates handling of exception is otherwise the
first a base class called "Father" and derived class called "son". The
extend the base class. In Father class implement a constructor that
age and throw an exception whenever the input age < 0. In
son class, implement a constructor that now both father and son's age
and throw an exception if son's age > father's age.

input java.util.*;

class WrongAge extends Exception

{
public WrongAge(String m)

{
super(m);

}

class Father

{
static ac = new Scanner(System.in);

public int E_age;

public Father() throws WrongAge

{
System.out.println("Enter Father's age");
E_age = ac.nextInt();

if (E_age < 0)

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

}
}

class dm validate Father

private int S_age;

public dm () throws IOException

System.out.println ("Enter son's age");

S_age = sr.nextInt ();

if (S_age > F_age)

throw new IOException ("Son's age cannot be greater than father's age");

else if (S_age < 0)

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

else if (S_age == F_age)

throw new IOException ("Age cannot be same");

System.out.println ("Valid age");

public void display ()

System.out.println ("Father's age = " + F_age);

System.out.println ("Son's age = " + S_age);

show lab 7

public static void main (String args[])

{

try

for (int i = 0; i < args.length; i++)

on. do (i);

}

catch (Exception e)

System.out.println("Exception caught");
System.out.println(e.getMessage());

}

}

}

//

① Enter Father's age 67

Father's age 58

Valid age

Father's age = 67

Don't age = 58

② Enter Father's age = -10

Exception caught

Age cannot be negative.

③ Enter Father's age = 20

Enter Don's age = 20

Exception caught

Age cannot be same.

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$$\text{Father's age} = 45$$

$$\text{Son's age} = 90$$

Age of son cannot be greater than father's age.

$$\frac{45}{2} = 22.5$$