**AGE PROGRAM**

import java.util.Scanner;

public class Age

{

public static void main(String[] args) throws WrongAge,InvalidAge

{

new Son();

}

}

class WrongAge extends Exception

{

public String getMessage()

{

return "Age Cannot Be Negative";

}

}

class InvalidAge extends Exception

{

public String getMessage()

{

return "Son's Age cannot be greater than Father's!";

}

}

class Father

{

Scanner s = new Scanner(System.in);

int f;

Father() throws WrongAge

{

System.out.print("Enter the Father's Age: ");

f = s.nextInt();

try

{

if(f<0)

throw new WrongAge();

}

catch(WrongAge e1)

{

System.out.println(e1.getMessage());

System.exit(0);

}

}

}

class Son extends Father

{

int son;

Son() throws WrongAge,InvalidAge

{

super();

System.out.print("Enter the Son's Age: ");

son = s.nextInt();

try

{

if(son<0)

throw new WrongAge();

}

catch(WrongAge e2)

{

System.out.println(e2.getMessage());

System.exit(0);

}

try

{

if(son>f)

throw new InvalidAge();

}

catch(InvalidAge e3)

{

System.out.println(e3.getMessage());

System.exit(0);

}

System.out.println("Ages are appropriate");

}

}

