30/1/24

Write a program that demonstrates handling exceptions in inheritance tree create a base class called "Forther" and derived class "son" which extends the base class . In father class, implement a construtor which takes the age and throws the exception wrongage () when the input age to In son do implement a constructor that cases both father and on age and throws an exception it sons age is 7 = father's age

import java-util-e;

class Wrongfige extends Exception & Delic Wrongfige (String s) of upex(s);

Input Scanner & protected Sanners;

public InputScanner() {
S=new Scanner(System.in);

Father extends Input Canner & int-tatherage;

System-out-printin ("Enter father's age:");

tatherAge= c. next [nt ();

it (father Age < 0) ? Throw new wrong Age C"Age cannot be

public void display () [
System-out-println ('Father's age:"+ father Age); class son extends Father of

int sontge;

public 6ncs throws wrongfige of

yeternout println ("Enter son's age"); sonfige =s.rextInt(); ; 1- Can Age > father Age) § throw new wrong Age ("son's age

Cannot be greater than father's

age");

The wrew Wrong Age ("Age annot be regative"); public void display () {

Gystem.out.println("Son's Age "+son Age);

3 public class Exception Demos public static void main (String [] args) son (n=new Son ();
sn. display(); System.out.println ("Negative exror"+e);

System.out.println ("e.g.etMessage());

