Lab-Program -8 Weite a program that demonstrates hardling of exceptions 30-1-24 inheritance tree inport java util Scarner; class WrongAge extends = Exception public Wrang Age (String s) { super (s); class Father protested int fatAge; public Father () theores Wang Age 2 Scanner S = new Scanner (System.in); System out paintly ("exter father's age:"); fattage = s. restInt(); if (fatAge <0) throw new Wrong Age ("Age count be viegotive" public void displayfat () & System out printly ("father's age is: " + fatAge class Son extends Father private int sonAge; public Son () theore Wrong Age super (); Scanner 5 = new Scanner (System, in); System out printly ("exter the son's age: "); SonAge = s. next Int(1;



it (sonAge> = fatAge) theow new Wanglige ("son's age is more than or equal to bother's age"); else if (son Age 20) throw new Weng nge ("age carnot to negative"); public void display () of System out println ("son's age is " + sonAge"); public class Mainfatson public static roid main (String args[]) Son son = new Son (); son displayfat (); son. display (); cotch (Wrong Age e) { System.out. println ("error: "+e.get Message ()); Output: 2) eter father's age: 23 1) erter father's age: 45 ertes - the son's age: 54 exter the son's age 18 error: son's age is note than or equal to father's age: 45 Pather's age Son's age is: 18 3) exter father's age: -87 erea: Age cannot be regative