

9) write a brogram denostrates Amanding L'exceptions in inheritance tree createq base class called "Father" and derined class called "don" which extends the base class. In Father class, implement ca constructor unich takes the age and throws the exception warng Age () when the input Age to In son class, implement a constructor that cases both father and sonsage and throws an exception if don's age > = fathers imbort jana util Geanner; class Wrong Age extends Exception ? fublic Whong Age ()?

Luper ("Age Error"); public Wrong Age (String nessage) ?

duper (message);

3 class Input Swinner f protected scanner scanner; public Input Sianner () {

this. ocanner: new Scanner (System:in);
} public int get Int Input () ?

seturn scanner neut Int ();

3

class Father extend Input Scanner & protected int father age. fublic Father () throws whong age {

System out - foring ("Enter father

age");

flother Age = get Int Input (); if (father Age <=0) { Shrow new wrong Age (. 'Age cannot be regative"); hublit moid display () {
System out printly ("Fathers age: "+ fathers class Son catend tasher (boundle itt Son Age; Jaublic Son () throws wrong Age f super(); System.out. prientln ("Enter don's age:"); don Age = get Int Inbut (). don Age = get Int Input (); if (don Age > - father Age) { throw new wrong Age ("son's age eannot be greater than fathers age "); 3 else if (don Age <= 0){

	Date
	Arou neu wrong Age ("Son's age cannot be given negative");
1	greater than fathers page " on age cannot be
	negative ");
Tackles !	3
1	3
	bublic moid display () ?
	duper. display ();
	System. out printh ("Son's age: "+ son Age);
	3
	3
	fublic class exception Handling Gemos
	public static noid main (string [] arms
	dry &
	Son son = new Son ();
À	son. display);
	3
	catch (wrong Age e) {
	System.out. println ["Error:"+
	e get Message ();
	3
	3
	2
	O.P :-
	Enter father age: -1
	Cross James J.
	Auge Error: Age dannot be regative
	Assign crro L. Tige courtines of
	0 100 1-10000 000.15
	Enter tathers age: 45.
	Enther sons age: 0
	Error: Age eanntod be gluen negative

