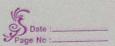
Q.Write a program that demonstrates handling of exceptions in inheritance tree. Create a base class called "Father" and a derived class called "Son" which extends the base class. In Father class, implement a constructor which takes the age and throws the exception WrongAge() when the input age<0. In Son class, implement a constructor that cases both father and son's age and throws an exception if son's age is >=father's age.



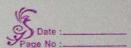
30/15/1	Date :
	write a program that demonstrates exceptions in inheritance tree (rease a base class called Son' which entends the base class In Father class, implement a constructor which takes the age and throws exception wrong Age () when the input age (o. In son class, implement a constructor that cases both father and son's age and throws an exception if son's age in >= father's age.  import Java vilil Scanner;  class wrong Age Exc extends Exception {  shing meg = new string ();  wrong Age Exc (string s) {  msg S; 3  public Shing to Shind) {  vitum msg;  2
	class Wrong Age Diff entends Exception {  String error = new String ();  Wrong Age Diff (String t)  Enror = t; 3  public String fostring () {  return error;  3



	Page No:		
	rlass Father {		
	int age father;		
	Father () throws Wrong Agetxc?		
	int x;		
	Scanner SS = new Scanner (Systemin);		
	System out println ("Enter fathers age");		
	age father = SS pent Int ();		
	if (ege-father(o)		
	throw new wrong age tox ("Age is		
	lus than zino");		
	3 (out) althoughts a shall		
	3		
	(Maring Age Diff word)		
	closs Son endends Father {		
	int age-soning house		
	Son () throws w.g wrong tyetxc {		
	super();		
	Sanna SS = new Scanner (System.in);		
	age_son = ss.nentTnd();		
	3		
	void check-son age() throws wrong Age Excl		
	if (age-son co)		
	throw new Wrong Age Exc ("Age is less		
	than rero");		
	2		
	void compage O throws wrong Age Oidf		
	if (age father < age-son)		
	3'		
	throw new WrongAge Diff ("Father's		
	age <= Son's age");		
	Q.		
	4		



Spage No:
class Exception Demol E (spins 4205)
public static roid main (string angels)
1
Son s= new Son()
S. Chick sonage ();
S. comp age ();
3
Catch (Wrongt getre wa)
System outeprintin ("wa);
y
catch (Wrong Age Diff wad)
System.out.println (wad);
1 4 managed and Const
3
(3) con the formand area of a series
29. 50n = 55 mm(Fan ()
a good awards timp ring direly him
Trace of Court and Lines
The second seconds of the second
the sergicular model to sometime the transfer
Later than a mittal months
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2		Page No:
	output:	
(0)	Emen Father's age	
	Age less than zero	
(2)	Enter Fathers age	
	Enter Son's age	
	Age less than zero	
(3)	Enter Father's age	
	Enter son's age	
	Father's age (= son's age	
11		
30	n'	
, J		

## **Output:**

