011/24	Lab Program 7:
	write a program that demonstrates handling
	of exceptions in inheritance tree. Create a
	lease class called "Father" and derived class
	called "Son" which extends the base class.
	In Father class, Implement a constructor
-	which takes the age and throws the
	exception whong Age () when the input
	age co. In son class, implement a construc
	cos that cases both father and son's age
	and throws an enception if son's age is
	> = father's age
	import java util . Scanner;
	clase Wrong Age extends Exception {
	public Wrong Age (7 d
	super ("Age Erver");
	y
	public wrong tge (string message) &
	super (message)
	y
	1 3
	class Input Scanner &
	Scannes Scannes;
	public Input Scanner () f
	scanner = new Scanner (System. in);
	3
	public int ment Int () {
	return scannes next Int ();
	4



	clase Father extends Input scamer &
	int father-Age;
	public Father (1 through whrong 4 ge (
	system out print ("Enter father's age:");
	father Age = next Int ();
	if CfatherAge 40) of
	throw new wrong Age ("Age cannot be
	negative ");
	7
	3
	public void display () {
	system out println ("Father's age : + father Age);
	3
	3
	class Con intends Father of
	int son Age;
	public Son () throws wrongAge {
	super();
-	system out print ("Enter son's age:");
	sonage = nent Int ();
•	if (son Age >= father Age) &
`	throw new wrong Age ("Son's age connot
	be greater than father's age");
	Jalse if (contage 60) {
	throw new whong age ("Age cannot be
	regative ");
	3
	3
	public void display () (
	Super display ();
	system out println (" Son's age: " + sontgel;
	3
	1 9

public class Cruep tion of
public static void main (string [] ares) {
try &
Son son= new Son();
son dieplay ()
I catch (wrong tage e) of
eystem out print in ("Exception" + e. get
Mesage (1);
7
y
Autout!
Output:
Enter father's age: -48
Exception: Age cannot be negative
Enter father's age: 49
Enter sen's age: 60
Exception: Son's age connot be greater
than father's age.
Enter father's age ". 56
Enter son's age: -24
Exception: Age cannot be negative
Enter fatherie age: 45
Entre son's age 18
Father's age: 45
200's age: 18
au