```
class WrongAge extends Exception {
  String message;
  WrongAge(String message) {
this.message = message;
 }
  public String toString() {
    return "WrongAge Exception: " + message;
 }
}
class Father {
 int fAge;
  Father(int age) throws WrongAge {
    if (age < 0) {
      throw new WrongAge("Father's age cannot be negative!");
    }
    fAge = age;
 }
}
class Son extends Father {
int sAge;
  Son(int fAge, int sAge) throws WrongAge {
    super(fAge);
    if (sAge < 0) {
      throw new WrongAge("Son's age cannot be negative!");
    }
    if (sAge >= fAge) {
                            throw new WrongAge("Son's age cannot be greater than or
equal to Father's age!") }
```

```
this.sAge = sAge;
 }
}
public class FSAGE {    public static void
main(String[] args) {
    try {
      Father father1 = new Father(40);
      Son son1 = new Son(40, 20);
      System.out.println("Father's age: " + father1.fAge + ", Son's age: " + son1.sAge);
      Father father2 = new Father(-5);
    }
    catch (WrongAge e) {
      System.out.println(e);
    }
try {
      Son son2 = new Son(35, 40);
    catch (WrongAge e) {
      System.out.println(e);
    }
try {
      Son son3 = new Son(50, -10);
    catch (WrongAge e) {
      System.out.println(e);
    }
 }
}
```

C:\Users\Admin\Documents\23cs310>javac FSAGE.java

C:\Users\Admin\Documents\23cs310>java FSAGE.java

Father's age: 40, Son's age: 20
WrongAge Exception: Father's age cannot be negative!
WrongAge Exception: Son's age cannot be greater than or equal to Father's age!

WrongAge Exception: Son's age cannot be negative!

-	O7
W	rile a program that demonstrates handling of Exception neritance tree create a base class called "Father" and
in	neritance tree create a base class called "Fathin" and
de	exind class called "Son" which extends the base class
E	other, implement a constructor that takes the age
7	hrows the exception WrongAge() when the input ages in class, implement a constructor that uses both futures
50	n class, implement a constructor that uses both futures
	ons age and throws an exception if some age >= f
ag	(.
	A SALAN AND AND AND AND AND AND AND AND AND A
-	import java-uhi-scanner;
-	class Wrong Age Exception extends Exception
-	Table Whom As Exception (othing Message)
-	Public Wrong Age Exception (string message)
-	Super Canessage);
	3 40 500
-	
	Class Father 3 104 mad - 3 104
	S
	protected intage:
	patriced intage: public Father (intage) throws Wrong Agreexception
L	
-	if (age <0) (sara & sara) 1127
1	14 July Jahrana Ang Exception (" Father's age o
-	thraw new Wrong Age Esception ("Fathers age of be negative"),
t]
İ	this age = age;
	3 to the state of the West Control of the state of the st
1	\$ 16 may 200 m
L	class Son extends Tather
-	MARCHAN TO AND WATER NOW NOW
1	

private int Sondge: public Son(int fatherage, int Sondge) throws Wroug dge Super(latherage); ((Sondge <) throw new Wrong dgeException ("Son's age caunot be negative"); it (Sondge >= tatherage) throw new Wrong dgeException ("Son's age caunot be greater than or lqual to fathers this Sondage = Sondge; This Sondage = Sondge; Stanner Stanner (system in); fry
Super(faunerage); If (Son Age < 0) Throw New Wrong AgeException ("Son's age cannot be negative"); If (SonAge >= fatherage) Throw New Wrong AgeException ("Son's age cannot be greater than or equal to father's Itais: SonAge = SonAge; PSVM (String [] args)
Super(fatherage); ((Son Age < 0) Throw New Wrong AgeException ("Son's age cannot be negative"); if (SonAge >= fatherage) throw New Wrong AgeException ("Son's age cannot be greater than or greater than or equal to father's this: SonAge = SonAge; public class Exception In NevitanceDevano PSVM (String CJ args)
Super(fatherage); ((Son Age < 0) Throw New Wrong AgeException ("Son's age cannot be negative"); if (SonAge >= fatherage) throw New Wrong AgeException ("Son's age cannot be greater than or greater than or equal to father's this: SonAge = SonAge; public class Exception In NevitanceDevano PSVM (String CJ args)
Super(fatherage); If (Sontge < 0) Throw New Wrong tgetxception ("Son's age cannot be negative"); If (Sontge >= fatherage) throw new Wrong tgetxception ("Son's age cannot be greater than or equal to father's This Sontage = Sontge; PSVM (String CJ args)
throw new Wrong Agetxception ("Son's age cannot be negative"); it (SonAge >= fatherage) throw new Wrong Agetxception ("Son's age cannot be greater than or equal to father's this: SonAage = SonAge; public class Exception in Nevitance Devisor psym (String [] args)
throw new Wrong Agetxception ("Son's age cannot be negative"); it (SonAge >= fatherage) throw new Wrong Agetxception ("Son's age cannot be greater than or equal to father's this SonAage = SonAge; public class Exception in heritance Devisor psym (String [] args)
if CsonAge >= fatherage) throw new Wrong Age Exception ("Son's age Cannoth greater than or equal to father's this: SonAage = SonAge; public class Exception In Nevilance Deuro South Cstring CJ args)
if CsonAge >= fatherage) throw new Wrong Age Exception ("Son's age Cannoth greater than or equal to father's this. SonAge = SonAge; public class Exception in heritance Device SonAge = SonAge; PSVM (String C) args)
if CsonAge >= fatherage) throw new Wrong Age Exception ("Son's age Cannoth greater than or equal to father's this: SonAage = SonAge; public class Exception In Nevilance Deuro South Cstring CJ args)
throw new Wrong Age Exception ("Son's age Cannot) greater than or equal to father's this: SonAage = SonAge; public class Exception in heritance Deuro psum (String [] args)
throw new Wrong Age Exception ("Son's age Cannot) greater than or equal to father's this: SonAage = SonAge; public class Exception in heritance Deuro psum (String [] args)
this. SonAge = SonAge; This. SonAge = SonAge; Public class Exception in Nevidance Devaro PSVM (String [] args)
this. SonAge = SonAge; This. SonAge = SonAge; Public class Exception in Nevidance Devaro PSVM (String [] args)
this. SonAge = SonAge; This. SonAge = SonAge; Public class Exception in Nevidance Devaro PSVM (String [] args)
public class Exception in nevitance Devaro psvm (string [] args)
public class Exception in nevitance Devaro psvm (string [] args)
PSVM (String [] args)
PSVM (String [] args)
PSVM (String [] args)
Scanner SE new Scanner (system in); fry
Scanner Ste new Scanner (sychum in); fry
Scanner St= New Scanner (system.In), fry
119
3
S.O.P ("Enter father's age:");
int father Age = sc. nextInt();
SOP ("Enkr son's age");
int son Age = sc next(n+();
Son son = new Son (father Age, son Age);

	store 67/_
	S.O.P("Father's age:" + fathedge); S.O.P("Son's age:" + Son'Age);
	C.O.P ("Son's age: " + Confae);
	7
	catala (Exceptiona e)
	catch (exception e)
	S.O.P. ("Annumpické" error occured: " + e.get Mucage()
	Paralle
	finally
	Sc. close(); }
	}
	3
	}
	autput
	Enter Father's age 135
	Enter Son's age: 36
	Exception: Son's age cannot be greater than or equal to
	father's age!
	1 1 1 2 2 2 3 0
-	Conter Father's age: -90
-	Enter Sons age: 23 Exception: Fathers age cannot be negative
-	exception: rathers and ranno in tellum
	Enter Father's age: 95
	Conter Son's age: 46
	Father's age: 95
	Son's age: 46

Acts 50
Euter Sou's age: 56 Exception: Sou's age cannot be negative!
oll not seek so da so s
(Tinks