Queste abase clanicated experient and derived loss cauld "sort which extends the base clan. In feether clan implement a unshick which extends the further that the exception wangflass when the imput age 10. Index clan, implement a unshick which have the agrand a constructor that case bethill before and sons age and throw an exception; it sen's age 13 >- fastness sage. con father & private intage;
public father (intage) throng wrong teception &
it (age 10) & Clan wrong toge facepton extends Exception Extring mornage) & import your with conner; 3 Super (memage);

```
this age = age;
clan son ontendo father E
          private int sonAge;
          public Son (int fatherage, intsmage) throug Wrong type tecopton {
               super (feether Age);
               if (on Age) = Father Age) &
                 thrownow wong tyckuption ("son's age court begreater;
            than or equal to pather's age"),
                this . sonAge = sonAge;
public clan Main &
               public Static wid (Main (Blving (Jorgs) &
                Scannod scannos = new scannos (system in) -
                System.out-print ("futer fathor's age: ");
               intfather Age - scanner -next Int().
               System. nutprint ("Finter son's age: ")
                Int sonage = Scanner next Inter;
                    system ad println ("somolged created surfuly.");
                catch (wrong Age Pourtion e) &
                         Systemant privater ("from: " te getmerrage").
            enterfather Age: 25
```

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```
class WrongAge extends Exception
public WrongAge(String str)
super(str);
}
}
class Father
int fatherAge;
Father(int fatherAge) throws WrongAge
this.fatherAge = fatherAge;
if(fatherAge<0)
throw new WrongAge("Father's Age cannot be less than zero");
}
class Son extends Father
int sonAge;
Son(int fatherAge,int sonAge) throws WrongAge
super(fatherAge);
this.sonAge = sonAge;
```

import java.util.Scanner;

```
if(sonAge<0)
throw new WrongAge("Son's Age cannot be less than zero");
if(sonAge>=fatherAge)
throw new WrongAge("Son's age cannot be greater than or equal to Father's age");
}
}
class AgeExceptionMain
public static void main(String[] args)
Scanner input = new Scanner(System.in);
System.out.print("Enter father's age: ");
int fatherAge = input.nextInt();
System.out.print("Enter son's age: ");
int sonAge = input.nextInt();
try{
Son son = new Son(fatherAge,sonAge);
System.out.println("Father's and Son's age are valid");
}catch(WrongAge e){
System.out.println("Exception: " + e);
```

Output:

Enter father's age: 50

Enter son's age: 20

Father's and Son's age are valid

Enter father's age: 50

Enter son's age: 60

Exception: WrongAge: Son's age cannot be greater than or equal to Father's age

Enter father's age: -1

Enter son's age: 20

Exception: WrongAge: Father's Age cannot be less than zero

Enter father's age: 0

Enter son's age: 20

Exception: WrongAge: Son's age cannot be greater than or equal to Father's age

Enter father's age: 0

Enter son's age: -1

Exception: WrongAge: Son's Age cannot be less than zero