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8. Write a program that demonstrates handling of
 exceptions in inheritance tree. Create a base alles
 father and derived class called son which extens
 The base class. In father class, implement a
 constructive for which takes the age and throw
 the except or wrong Age () when the inful age to
 In Son class, implement a constructor that cases
 both father and Sons age and throws an except
 if soms age is > - father's age.
import java. util. + :
 class Wrong Age Exception calends Exception
    String msg = new String ();
   Wrong Age Exception ( String x) {
      meg = x; = (84,0 + 004) ( to ol) ) -
                 7 (00000 = 2 00 1 - hetoti)
 Bubbc String to String ()
    return meg
                  not price dotal- frice - duround -
class father {
ind f. age; father () throws wrong Age Exception ?
Scanner 3 = new Scanner (System.in):
System. out. frint In ("Enter father's age: ")
 f-age = 8. neat Int ();
 if (f. age < 0) ?
 throw new Wrong Age Exception ("forther age < 0");
```

```
Void display () {
  System out British ("father age: +f-age):
class Son extends father &
unt 8-age:
 Soul) throws Warng Age Exception &
  Scanner 8 new Scanner (System. in):
  System. out. Bristeln ( Enter Sonis age: "):
  8-age = 8. next Ind ();
  if (8-age < 0) }
  throw new Warng Age Exception ("Son age <0");
   else if (8-age > f-age)
    throw new Wrong Age Exception ("Son age is >
                                      that father's age!");
                      Mat feller's age!
                             hate Bitties age & 64
Void display ()
                             End forth age a Fil
  System. out. frintln ("forther age: +f-age);
 System. out . println (" Son age: +8-age);
closes excep &
spublic Atatic void main (String IJ args) ?
2.y
```

father for new father (): f. deploy (): Sons . new Son(): S. display (); catch (wrongfige Exaption was) System. out. Brindle (was);; Output Enter son's age: 67 Son age > that father's age Esta father age & 84 Eville books age a 19 Enter fatheris age: 45 Enter Son's age: 47 Sons age cannot be greater than fathers age!

Output: