

import jour util Scanner; class Wrong Age Exception entends Exception E public String to String () S retean (" Intered age is negative"); clas Age Exception entende Cacoption E public String to String () E return (" Age entered of the father is greater than that of the son"); class Faltry E ent father are; Eather (int n) throws Wrong the Faception & father -age = x; y (falls - age 20) & trono neio Wrong Age Exception (), class son entends Futher & Son(int x, int b) throws Age taception, Wrong Age Caception &

```
duper(x);
        sen-age = y;
        ý (von_age < 0) €
         Throw new wronge Age Geneptio ():
      ig (son age >= father-age) &
          throw new dge Exception ():
class bab_ 7 {
  public static void main (dering orgs ()) {
       by Si
         Scanner s: new dcanner (system. in).
       dyster out peintly ("Inter the age of fathe and con:").
        int = s. nentant().
        int g= J. nentant ();
         Son so= now Son(x,y);
       dystem out. printly ("Father is" + 50. father age +" yours old and
                                   son is "+ so. songe +" your old")
       3 catch ( Agertaception a) {
             Lystem out paintly (a);
       cotch (Exception e) &
          System-out-pounth ("onter rated value");
```

Output Inter father's and son's ages 56 ad Fether is 56 years old and son is 22 years old Intel father's and son's ages Dge entered of the son is greater than that of the father teter fether's and son's ages -76 44

Entered

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lass Son extends Father{
   int son_age;
Son(int x,int y) throws AgeException, WrongAgeException{
         super(x);
                                                                                                                                                                                              ×
                                              Command Prompt
         son_age=y;
             son_age<0){
Microsoft Windows [Version 10.0.19045.2251]
throw new WrongAgeExcepti(c) Microsoft Corporation. All rights reserved.
         if(son_age<0){
                                               :\Users\bmsce>cd C:\Users\bmsce\Desktop\Aryan\week 7
         if(son_age>=father_age){
              throw new AgeException();
                                               C:\Users\bmsce\Desktop\Aryan\week 7>javac Lab_7.java
   }
                                              C:\Users\bmsce\Desktop\Aryan\week 7>java Lab_7
Enter father's and son's ages
class Lab_7{
   public static void main(String[] Father is 56 years old and son is 22 years old
              Scanner s=new Scanner(SysC:\Users\bmsce\Desktop\Aryan\week 7>java Lab_7
System.out.println("Enter father's and son's ages
              int x=s.nextInt();
              int y=s.nextInt();
        Son so=new Son(x,y);
System.out.println("Fathc:\Users\bmsce\Desktop\Aryan\week 7>java Lab_7
} catch (WrongAgeException weither father's and son's ages
System.out.println(wa);
-76
                                               Age entered of the son is greater than that of the father
                                              Entered age is negative
         catch (AgeException a){
              System.out.println(a);
                                             C:\Users\bmsce\Desktop\Aryan\week 7>
         catch (Exception e){
              System.out.println("Enter
```