words 2 10/12/22 LAB-6 (4). Went a purguam that demanstrates hande class Son oxtends of exceptions in inhunitaring tame. Canals ent son-as base class walked "Father" and durind class "30" which extends the base class. In Father class Son last x, only implement a constructor which take the age if (son ag and thosow the exception woung kgel) when the input is agizo. In son class, implement a thuow constructes that cases both father and son's ag and thuous an exception if non age is >= father, class tab & f public sta Importjara. Util. Scanner; System. class whom the Exception extends Exception { public Stuing to Stuing () { int ent suturn ("Entered age is negative"); Son System. 0 class Age Frephian entends Exception & Non is public Study Fostwing () ( Catch suturn ("Hy entered of the son is quater than Synth that of the father"); Catch class father { int fathorage; Father Linth) throws wagage Exceptiates of Catch father age = x;
if (father age < 0) {
theras new Wesang Age Exception (1);

```
class son extends Father &
                   ent son-age;
               Son (int x, only) twoous the Exception wounds Exception (
                    super (x);
                   non-age=4;
                  if (son age 20) &
                    throw new whong Age Freepin ()!
ather
            clay tab & and down of the water of
                public state void main (Stwing [Jargs)
                 truy {
                     Scanner 1= new Scanner (System.in).
                System. out. puintly ("Enter fathor's and son's ag").
                   int A = s. next Int (1;
                                            Tartur is 80 cpars clo
                ent y = s.next Int ();
                  Son 10 = new Son (2, 4);
               System out printles (" Father is y, of years old and
              son is Y. of your old, so father age, so somag).
            I Catch (whong Age Exception wa) {
               System. out. pecintles (was).
             Catch (Age Exception a) {
                  System. out. puintle (a);
              Catch (Exception e) {
                  System. Out · pecintle ("Enter valid values");
```

Forter fathers and sons ages a). Write Entend age is negative thouad in wordship exception is. Once 'CSE Enter fathers and Son's age Empo Age entered of the son is quater than that 20 clas. Tynes try cnt Scanner d= new Scanner (Sydenin). Entre father and Son's age wind " Atring too. may ? Whi Muy Father is 50 years old and son is 24 years old Son 10 = new Son (2,4); A gow sid and Speem sid and cla Sylven out private level. ately (Exceptione) &

Administrator: Command Prompt Microsoft Windows [Version 10.0.22000.1219] (c) Microsoft Corporation. All rights reserved. C:\WINDOWS\system32>cd C:\Users\hghat\Documents C:\Users\hghat\Documents>set path=C:\Program Files\Java\jdk-19\bin C:\Users\hghat\Documents>javac fs.java C:\Users\hghat\Documents>java main Enter the fathers age: -9 Age cannnot be negative C:\Users\hghat\Documents>java main Enter the fathers age: 34 Enter the sons age: 22 ::\Users\hghat\Documents>java main Enter the fathers age: Enter the sons age: 90 Father's age cannot be less than son's age C:\Users\hghat\Documents>java main Enter the fathers age: 23 Enter the sons age: -1 Age cannot be negative C:\Users\hghat\Documents>\_ 24°C O Search Partly cloudy