LAB # => 7

Write a program their demonstrates hundling of exceptions in inheritance tree create a base clay called "Son" which called "Father" and derived class called "Son" which extends the base class. In Father class, implement a consmutor which takes the age and throws the exception wrongfge() when the input age < 0. In the exception wrongfge() when the input age < 0. In the exception wrongfge() when the input age < 0. In the exception wrongfge() and throws an exception both father and son's age and throws an exception to the father and son's age and throws an exception to son's age and throws an exception to son's age and throws an exception to son's age is >= father's age

thous wrong Age extends Exception?

public wrong Age (String 5)

{ Super(5)3

3

clous Father {

Int f=age;

Father () throws Wrong Age

System.our.println ("Enter Father's aye");

Scanner s = new Scanner (System.in);

J-age = s.next Int();

if (+-age < 0)

{ throw new wrong Age ("Age Cannot be negetive"):

3

```
Wold display ()
            System.our. printin ("Father's Age is: "+f-age);
class son extends Father {
          int 5- age
          Son () thrown wrong Age
               System. oue printin l'Enter Son's age"):
                Scanner 5 = new Scanner (System, in);
               5-age = s.nextIntl);
                if (5-age >= 1-age)
                     throw new wrong Age ("son's age
                      cannot be greater than father's aye");
                else if (s_age < 0)
               & throw new wrong Age ("Age can not
                            be negetive ");
               3
        void sdisplay ()
             System. out. printho 10 son's Age is "+ 5-ugo"
         3
```

Name: Sagar I Bungari VSN: 18m22C5231

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class Exception &
                 public static void main ( shwing agres)
                      my 3
                            Son 5 = new sont);
                            S. display Os
                           S. sdirplay ();
                      auch (Wrong Age 1) }
                            System.our. printince + c.get Murageo);
                            Systemous, printin (e. get Messagel));
    output :
     Enter Father age
      10
      Enter son's age
       20
      wrong Age: som's ager can not be gather greater
                  than futhers age.
      Enter Father's age
2)
       wrongage: Age can not be negetive
       Enter Father's age
3)
         25
        Enter Son's age
        Wrong Age: Age can not be negetive
```

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