white a program that demonstrates trandling of exceptions in inheritance string. Create a base class called as "Fother" and derived class called as "son" which extends the base class.

In Jothers class implement a construction which takes the age and throws the exception worong age "" which when the imput age is less than zero. In son's class implement a age < 0 age < 0 to the fathers and sons age and throws an enerties that uses both fathers and sons age and throws an enerties if son's age \geq fathers age.

import jana. util. Scanner; class werong age exception (string) & super (message);

class son Age enception entends enception {

public son agelenception (string) {

super();

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class Father ?

upinate int age;

public Father (int age) therous exception {

if (age < 0) {

therow new werongage exception ("werongage");

this age = age;

Julieur in getage () { return age; 33

```
class Son extends Father &
    fulle
     permate int son Age;
     public Son (int father age, int sonage) therours werongage exception,
          sonage exception &
              Super (father Age);
              if (age > = fatherage) {
                    therow new SonAge exception ("Son's age cannot be
                           greater itran or equal to father's age");
             this . Sonage = sonage;
     public int get sonage () {
           return sonage;
 pullir static void main (5 tring [ ] angs] {
      while (true) {
                                          System in
          Slanner SC = new Scanner ("Enter fathers age");
          system out peinten ("Enter fathers age");
          int fatherage = Sc. next int ();
          System.out. println ("Enter son's age");
          int sonage = sc. nent int ();
         try {
             Son son = new Son (father age, sonage);
            system out println ("Accepted successfully");
```

```
Latch (werong age exception e) {
       System.out. perintln (e. get Message ());
  ratch (sonage enception e) {
       system out printen (e. get message ());
  system out fewirdh ("would you like to he do details (Y/n)");
   string input = sc. next();
   if ('input. enquals Ignore Case ("n")) }
        break;
Output:
Enter father's age: 50
lenter sons age: 20
 decepted sucrespully
Would you like to be-enter details (y/n)?
Enter forthers age: 35
Bons age rannot be greater than or equal to fether's age.
Enter son's age: 35
would you like to be-enter details (Y/n)?
n
Name: Abhay NY
USN: 24 BECS404
```