De Counting your own comption subclasses Differ -a substant of exception the exception 0) write a program that demonstrates hardling of exceptions in substitute storing tree Create a have close collect "Father" and derived class called as "son" which extends the base class to Father's class implement a constructor which takes the age and throws the exception wrongAge () when the input age is less than zero In son's class implement a constructor that uses father and son's age and throws an exception if son's age greater than or equal to father's orga > import java util scanner. class wrong Age Exception extends Exception (public whong Age Exception (String message) { super (message); class Son Age Exception extends Exception { public son Age Exception (storing message) { super (message); class Father & perivate intage; public Father (in age) throws Wrang Acyetic eption & if (age == 0) { throw new Wrong Age Exception ("Father's age convot be negative or zero"). -this. age: age; public int getAge () { retwin age;

```
class Son extends Father &
       previoate ent SonAge;
       public Son ( int fatherAge int sonAge) throws WrongAge Encyton
                                   Son Age Exception ?
               super (father Age);
                  if (sonAge >= fatherAge) {
                     thouse new Son Agetroeption ("Son's age cannot be
              greater than or equal to father's age ");
           thes. sourage : son Age;
        public int gettenAge () {
          getern sonAge;
         class fatherson {
public
     public static void main (string assign (3) {
          while (free) {
             Scanner Scanner (System. in);
                System. out printh ("the Fother's Age: ");
           try {
                int father Age . sc. next Int ();
                Father father = new Father (father Age);
                System out println ("toter's Son's Age:");
                 int sonage . sc. next Int();
                 Son son = new Son (father Age, son Age);
                 System out println ( * Accepted successfully "):
              catch ( wrong Age Exception e) {
                     System.out. println (e. getmessage());
             catch ( so SonAge Exception e) {
                   system out println (e. getMessage (1);
           System out printle ("Would you like to me enter
                                            details (Y/N);");
            String input - se next ():
```

```
if ( input . equal Ignore (ax ( "n")) {
     System out printle (" Name: Akshay . 5");
      System. out printle (" USN: IBM 23CSO22");
output:
 Enter Faller's Age: -1
  Father's age cannot be negative on zero
    Would you like to seenter details (Y/N):
     Enter Father's Age: 30
          Son's Age: 35
     Son's age cannot be greater than or equal to father's age
      would you like to re-enter cletails (Y/N):
      Enter Father's Age: 30
       Enter Son's Age: 5
       Accepted Successfully
       Would you like to re-enter details (Y/N):
       Name: Akstray 5
       USN: IBM23CS022
               20/11/24
```