1BN19CS045
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Expt. No. _____ 8 _____   Father Son Age Exception   Page No. _____

```java
import java.util.Scanner;
class AgeException1 extends Exception
{ private int sa, fa;
  AgeException1(int a, int b)
  { sa = a;
    fa = b; }
  public String toString()
  { return "age.Exception.Inappropriate_age"; } }
}

class AgeException2 extends Exception
{ private int sa, fa;
  AgeException2(int a, int b)
  { sa = a;
    fa = b; }
  public String toString()
  { return "age.Exception..Age(<0)"; }
}

class Father
{ int Fage; }
class Son extends Father
{ int Sage;
  String Sname;
  Son(String name, int age, int fage) throws AgeException1,
  AgeException2
  { Sage = age; Sname = name; Fage = fage;
    System.out.println("Son Name:" + Sname);
    System.out.println("Son age :" + Sage);
    System.out.println("Father age:" + Fage);
```

```java
if (sage < 0 || fage < 0)
    throw new AgeExreption2 (age, fage);
if (sage >= fage)
    throw new AgeExreption1 (age, fage);
    }
}

class ageExreption Demo
{ public static void main (String arge [])
  { int so, fo; String name;
    Scanner get = new Scanner (System.in);
    System.out.println ("Enter Son Name: ");
    name = get.next ();
    System.out.println ("Enter Son Age : ");
    so = get.nextInt ();
    System.out.println ("Enter Father Age: ");
    fa = get.nextInt ();
    try
    { Son s = new Son (name, so, fa); }
    catch (AgeExreption1 e)
    { System.out.println ("Caught " + e); }
    catch (AgeExreption2 e)
    { System.out.println ("Caught " + e); }
  }
}
```