Week-10 - lab program 8

```java
import java.util.Scanner;
class father
{   int f_age;
    father(int age)
    { try {
            check(age);
      }
      catch (Excp e)
      {  System.out.println( e+" Age cannot be
         negative.");
      }
    }

    static void check(int a) throws Excp
    {   if (a<0)
            throw new Excp();
        System.out.println(" No exception in father's
            age");
    }
}
class Excp extends Exception
{   public String toString()
    {   return "wrong age";
    }
}
class Son extends father
{   int s_age;
    Son(int f, int s)
    {
        super();
        try
        { check(f,s);
        }
        catch (Excp e)
```

```
            { System.out.println( e+ "Son's age cannot
    be  greater than or equal to father's age.");
    }
}
3

Static  void check( int fa, int son) throws Excp
{       if ( son>=fa )
            throw new Excp();
        System.out.println(" NO exception in
            Son's age");
    }
}

3

class excpMain
{
   Public static void main( String args[])
   {
       Scanner sc=new Scanner(System.in);
       int f, s;
       System.out.println("Enter the age of father
       and son");
       f= sc.nextInt();
       s= sc.nextInt();
       Son ob=new Son (f, s);
     }
}
3
```