Nested4Class (STATIC NESTED CLASS + NON-STATIC NESTED CLASS)

Nested4Class.java ✕

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```java
 1      package TestNest;
 2      public class Nested4Class {//OUTER CLASS
        private static String A= "static attribute";
        private String B= "non-static attribute";
 5
 6          static void printA(){System.out.println(A);}
 7          void printB(){System.out.println(B);}
 8
 9          //--STATIC NESTED CLASS--
10          static class SNC{
11              void printSNC(){
12                  System.out.println("Static Nested Class");
13                  printA();
14                  System.out.println("---------------------");
15          //printB(); ใช้ Non-Static ไม่ได้
16              }
17          }
18          //--NON-STATIC NESTED CLASS--(INNER CLASS ทั่วไป)
19          class NSNC{
20              void printNSNC(){
21                  System.out.println("Non-Static Nested Class");
22                  printA();
23                  printB();
24                  System.out.println("---------------------");
25              }
26          }
```

Local + inner class

```java
//--LOCAL CLASS--(class ใน method)
void method(){
    class LC{
    void printLC(){
        System.out.println("Loacl Nested Class");
        printA();
        printB();
        System.out.println("----------------------");
        }
    }
    LC localclass = new LC();//ต้อง new class ใน method ที่อยู่ด้าย
    localclass.printLC();
}
//Inner Class สำหรับทดสอบสร้าง ANONYMOUS CLASS
abstract class AC{
    private String C = "Abstract Class";
    void printC(){
        System.out.println(C);
        printA();
        printB();
        System.out.println("----------------------");
    }
    abstract void printAC();
}
```

```
Loacl Nested Class
static attribute
non-static attribute
----------------------
Abstract Class
static attribute
non-static attribute
----------------------
```

การเรียกใช้ Nested Class + Anonymous

```java
//***การเรียกใช้ Nested Class
    public static void main(String[] args) {
    //--STATIC NESTED CLASS--
        Nested4Class.SNC c1= new Nested4Class.SNC();
        c1.printSNC();
    //--NON-STATIC NESTED CLASS--(INNER CLASS)
        Nested4Class nest = new Nested4Class();
        Nested4Class.NSNC c2= nest. new NSNC();
        c2.printNSNC();
    //--LOCAL CLASS--
        Nested4Class c3 = new Nested4Class();
        c3.method();

    //----(+Inner Class)
        Nested4Class nest2 = new Nested4Class();
        Nested4Class.AC c4 = nest2. new AC() {
                    //ANONYMOUS CLASS(class ไม่มีชื่อ เป็น class ที่มักจะอยู่ใน new Object)

            @Override
            void printAC() {
                System.out.println("Anonymous Class");
                System.out.println("-----------------------");
            }
        };
        c4.printC();c4.printAC();
    }
}
```

```
Anonymous Class
-----------------------
BUILD SUCCESSFUL (total time: 0 seconds)
```