



三元运算符会有可能导致NPE

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```
选择Windows PowerShell
PS C:\Users\huny\Desktop> javac Test.java
PS C:\Users\huny\Desktop> java Test
PS C:\Users\huny\Desktop> javap -c .\Test.class
Compiled from "Test.java"
public class Test {
    public Test();
        Code:
          0: aload_0
          1: invokespecial #1          // Method java/lang/Object."<init>":()V
          4: return

    public static void main(java.lang.String[]);
        Code:
          0: new           #2          // class java/util/HashMap
          3: dup
          4: invokespecial #3          // Method java/util/HashMap."<init>":()V
          7: astore_1
          8: aload_1
          9: ifnull       26
         12: aload_1
         13: ldc          #4          // String test
         15: invokeinterface #5,  2    // InterfaceMethod java/util/Map.get:(Ljava/lang/Object;)Ljava/lang/Object;
         20: checkcast   #6          // class java/lang/Boolean
         23: goto        30
         26: iconst_0
         27: invokestatic #7          // Method java/lang/Boolean.valueOf:(Z)Ljava/lang/Boolean;
         30: astore_2
         31: return
}
PS C:\Users\huny\Desktop>
```

JDK8运行

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```
Windows PowerShell
PS C:\Users\huny\Desktop> javac Test.java
PS C:\Users\huny\Desktop> java Test
Exception in thread "main" java.lang.NullPointerException
    at Test.main(Test.java:6)
PS C:\Users\huny\Desktop> javap -c .\Test.class
Compiled from "Test.java"
public class Test {
    public Test();
        Code:
          0: aload_0
          1: invokespecial #1          // Method java/lang/Object."<init>":()V
          4: return

    public static void main(java.lang.String[]);
        Code:
          0: new           #2          // class java/util/HashMap
          3: dup
          4: invokespecial #3          // Method java/util/HashMap."<init>":()V
          7: astore_1
          8: aload_1
          9: ifnull       29
         12: aload_1
         13: ldc          #4          // String test
         15: invokeinterface #5,  2    // InterfaceMethod java/util/Map.get:(Ljava/lang/Object;)Ljava/lang/Object;
         20: checkcast   #6          // class java/lang/Boolean
         23: invokevirtual #7         // Method java/lang/Boolean.booleanValue():Z
         26: goto        30
         29: iconst_0
         30: invokestatic #8          // Method java/lang/Boolean.valueOf:(Z)Ljava/lang/Boolean;
         33: astore_2
         34: return
}
PS C:\Users\huny\Desktop>
```

非JDK8下运行

```
Windows PowerShell
PS C:\Users\huny\Desktop> java -version
java version "1.7.0_80"
Java(TM) SE Runtime Environment (build 1.7.0_80-b15)
Java HotSpot(TM) 64-Bit Server VM (build 24.80-b11, mixed mode)
PS C:\Users\huny\Desktop> javac .\Test.java
PS C:\Users\huny\Desktop> jad .\Test.class
Parsing .\Test.class... Overwrite Test.jad [y/n/a/s] ? y
Generating Test.jad
PS C:\Users\huny\Desktop>
```

在非JDK8下用jad反编译class文件并查看

```
C:\Users\huny\Desktop\Test.jad - Notepad++
文件(F) 编辑(E) 搜索(S) 视图(V) 编码(N) 语言(L) 设置(I) 工具(O) 宏(M) 运行(R) 插件(P) 窗口(W) ?
Test.jad
1 // Decompiled by Jad v1.5.8g. Copyright 2001 Pavel Kouznetsov.
2 // Jad home page: http://www.kpdus.com/jad.html
3 // Decompiler options: packimports(3)
4 // Source File Name: Test.java
5
6 import java.util.HashMap;
7 import java.util.Map;
8
9 public class Test
10 {
11
12     public Test()
13     {
14     }
15
16     public static void main(String args[])
17     {
18         HashMap hashmap = new HashMap();
19         Boolean boolean1 = Boolean.valueOf(hashmap == null ? false : ((Boolean)hashmap.get("test")).booleanValue());
20     }
21 }
22
```

Windows PowerShell

```
PS C:\Users\huny\Desktop> java -version
java version "1.8.0_151"
Java(TM) SE Runtime Environment (build 1.8.0_151-b12)
Java HotSpot(TM) 64-Bit Server VM (build 25.151-b12, mixed mode)
PS C:\Users\huny\Desktop> javac .\Test.java
PS C:\Users\huny\Desktop> jad .\Test.class
Parsing .\Test.class... Overwrite Test.jad [y/n/a/s] ? y
Generating Test.jad
PS C:\Users\huny\Desktop>
```

在jdk8下用jad反编译class文件并查看

C:\Users\huny\Desktop\Test_JDK8.jad - Notepad++

文件(F) 编辑(E) 搜索(S) 视图(V) 编码(N) 语言(L) 设置(I) 工具(O) 宏(M) 运行(R) 插件(P) 窗口(W) ?

Test.jad Test_JDK8.jad

```
1 // Decompiled by Jad v1.5.8g. Copyright 2001 Pavel Kouznetsov.
2 // Jad home page: http://www.kpdus.com/jad.html
3 // Decompiler options: packimports(3)
4 // Source File Name: Test.java
5
6 import java.util.HashMap;
7 import java.util.Map;
8
9 public class Test
10 {
11
12     public Test()
13     {
14     }
15
16     public static void main(String args[])
17     {
18         HashMap hashmap = new HashMap();
19         Boolean boolean1 = hashmap == null ? Boolean.valueOf(false) : (Boolean)hashmap.get("test");
20     }
21 }
22
```

Normal text file length: 504 lines: 22 Ln: 1 Col: 1 Sel: 0 | 0 Windows (CR LF) UTF-8 INS