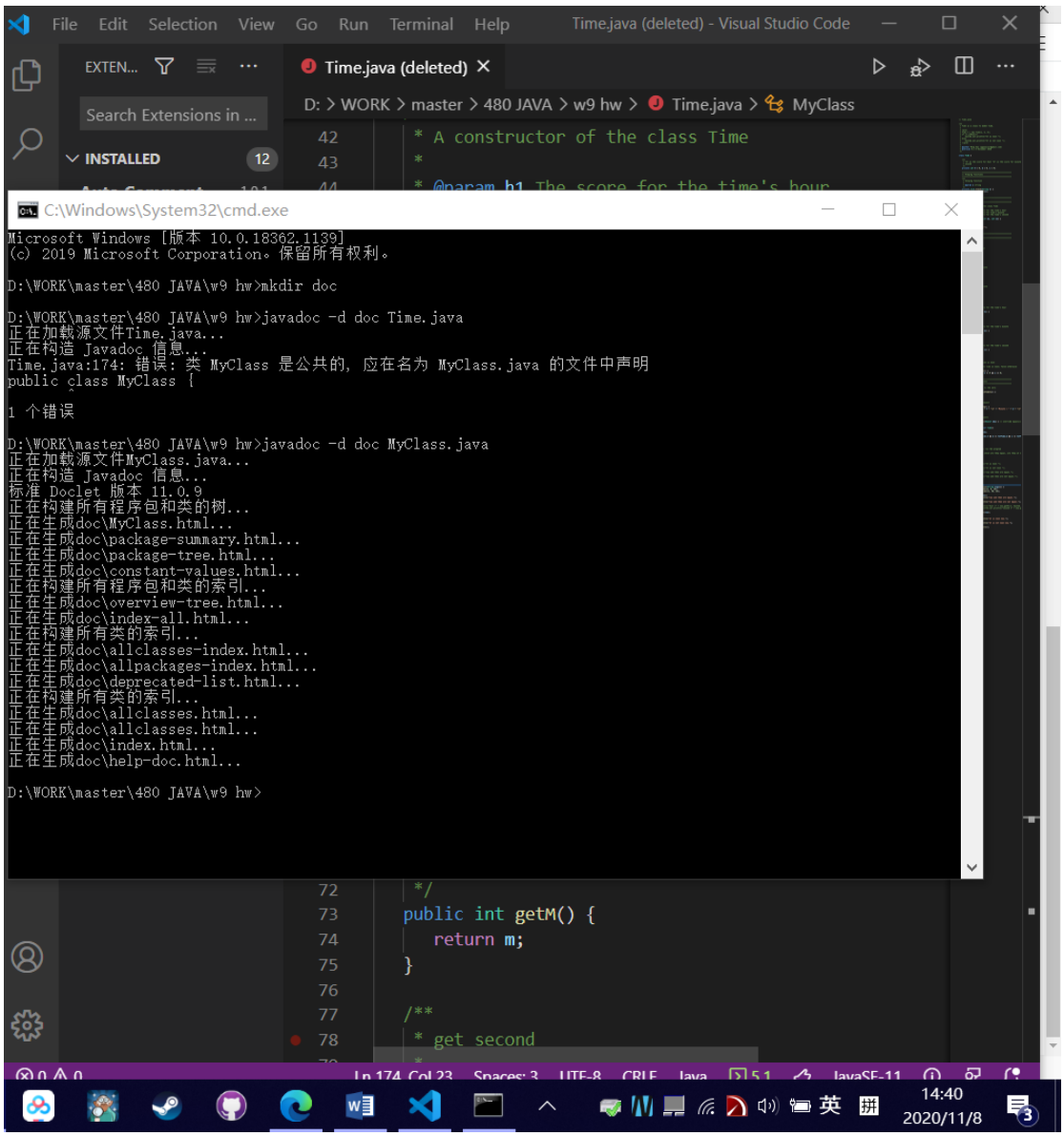
```
// Time.java

/**
 * Time is a class to model time.
 *
 * <pre>
 * Time t = new Time(1, 3, 4);
 * if (t.isNoon())
 *       System.out.println("It is noon ");
 * else
 *       System.out.println("It is not noon ");
 * </pre>
 *
 * @author Peng Gao (pgaooscar@gmail.com)
 * @version 0.1 8 November 2020
 */

class Time {

    /**
     * "h" is the score for hour "m" is the score for minute "s" is the score for
     * second
     */
    private int h = 0, m = 0, s = 0;

    ////////////////////////////////////////////////
    // Hleping functions
    ////////////////////////////////////////////////
    /**
     * helping function
     *
     * @param s string
     */
    private void trace(String s) {
        System.out.println(s);
    }

    ////////////////////////////////////////////////
    // Manhr functions
    ////////////////////////////////////////////////
    /**
     * A constructor of the class Time
     *
     * @param h1 The score for the time's hour
```

```
  * @param m1 The score for time's minute
  * @param s1 The score for the time's second
  */
public Time(int h1, int m1, int s1) {
    h = h1;
    m = m1;
    s = s1;
    trace("constructor");
}

//////////////////////////////////////////////
// Access function
//////////////////////////////////////////////
// get
/**
  * get hour
  *
  * @return h time hour
  */
public int getH() {
    return h;
}

/**
  * get minute
  *
  * @return m time minute
  */
public int getM() {
    return m;
}

/**
  * get second
  *
  * @return s time second
  */
public int getS() {
    return s;
}

// set
/**
  * set hour
```

```
     *
     * @param h1 The score for the time's hour
     */
    public void setH(int h1) {
        h = h1;
    }

    /**
     * set minute
     *
     * @param m1 The score for the time's minute
     */
    public void setM(int m1) {
        m = m1;
    }

    /**
     * set second
     *
     * @param s1 The score for the time's second
     */
    public void setS(int s1) {
        s = s1;
    }

    // predicate
    /**
     * to check is the time is noon
     *
     * @return true if the time is noon; false otherwise
     */
    public boolean isNoon() {
        return h == 12 && m == 0 && s == 0;
    }

    ////////////////////////////////////////////////
    // Implementor functions
    ////////////////////////////////////////////////
    /**
     * to reset the time to the zero
     */
    public void resetClockToZero() {
        h = m = s = 0;
    }
```

```
    /**
     * to print out the object
     */
    public String toString() {
        return ("Hour = " + h + "\n" + "Minute = " + m + "\n" + "Second = " + s);
    }

    /**
     * to test does it equals
     */
    public boolean equals(Object obj) { // override equals()
        Time tstTime;

        if (!(obj instanceof Time))
            return false;
        tstTime = (Time) obj;

        return (h == tstTime.h && m == tstTime.m && s == tstTime.s);
    }
}

// MyClass.java
/**
 * MyClass is a class to run the program
 *
 * we have two time, to check are they equal, are they at noon
 *
 * <pre>
 *
 * if (t.isNoon())
 *       System.out.println("It is noon ");
 * else
 *       System.out.println("It is not noon ");
 * if (now.equals(then))
 *       System.out.println("now and then are equal.");
 * else
 *       System.out.println("now and then are not equal.");
 *
 * </pre>
 */
public class MyClass {
    public static void main(String args[]) {
        Time now = new Time(12, 0, 10);
```

```
        Time then = new Time(11, 30, 25);

        if (now.equals(then))
            System.out.println("now and then are equal.");
        else
            System.out.println("now and then are not equal.");
        /*
         * System.out.println("hour =" + now.getH()); System.out.println("minute =" +
         * now.getM()); System.out.println("second =" + now.getS());
         */
        System.out.println(now);

        if (now.isNoon())
            System.out.println("It is noon now.");
        else
            System.out.println("It is not noon now.");

        now.resetClockToZero();
    }
}
```


File Edit Selection View Go Run Terminal Help
Time.java (deleted) - Visual Studio Code
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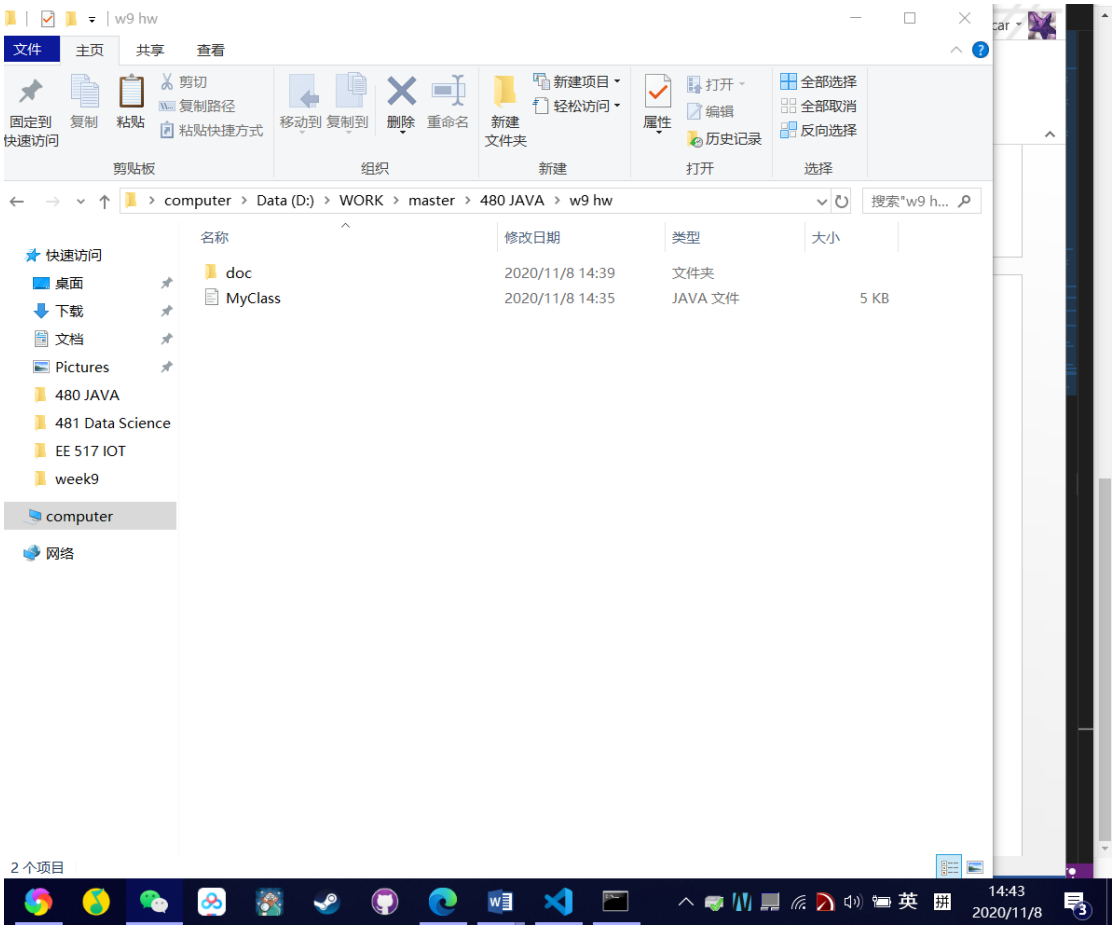
Time.java (deleted)
D: > WORK > master > 480 JAVA > w9 hw > Time.java > MyClass
42 * A constructor of the class Time
43 *
C:\Windows\System32\cmd.exe
Microsoft Windows [版本 10.0.18362.1139]
(c) 2019 Microsoft Corporation。保留所有权利。
D:\WORK\master\480 JAVA\w9 hw>mkdir doc
D:\WORK\master\480 JAVA\w9 hw>javadoc -d doc Time.java
正在加载源文件Time.java...
正在构造 Javadoc 信息...
Time.java:174: 错误: 类 MyClass 是公共的, 应在名为 MyClass.java 的文件中声明
public class MyClass {
1 个错误
D:\WORK\master\480 JAVA\w9 hw>javadoc -d doc MyClass.java
正在加载源文件MyClass.java...
正在构造 Javadoc 信息...
标准 Doclet 版本 11.0.9
正在构建所有程序包和类的树...
正在生成doc\MyClass.html...
正在生成doc\package-summary.html...
正在生成doc\package-tree.html...
正在生成doc\constant-values.html...
正在构建所有程序包和类的索引...
正在生成doc\overview-tree.html...
正在生成doc\index-all.html...
正在构建所有类的索引...
正在生成doc\allclasses-index.html...
正在生成doc\allpackages-index.html...
正在生成doc\deprecated-list.html...
正在构建所有类的索引...
正在生成doc\allclasses.html...
正在生成doc\allclasses.html...
正在生成doc\index.html...
正在生成doc\help-doc.html...
D:\WORK\master\480 JAVA\w9 hw>
72 */
73 public int getM() {
74 return m;
75 }
76
77 /**
78 * get second
14:40
2020/11/8


w9 hw
文件
主页
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查看
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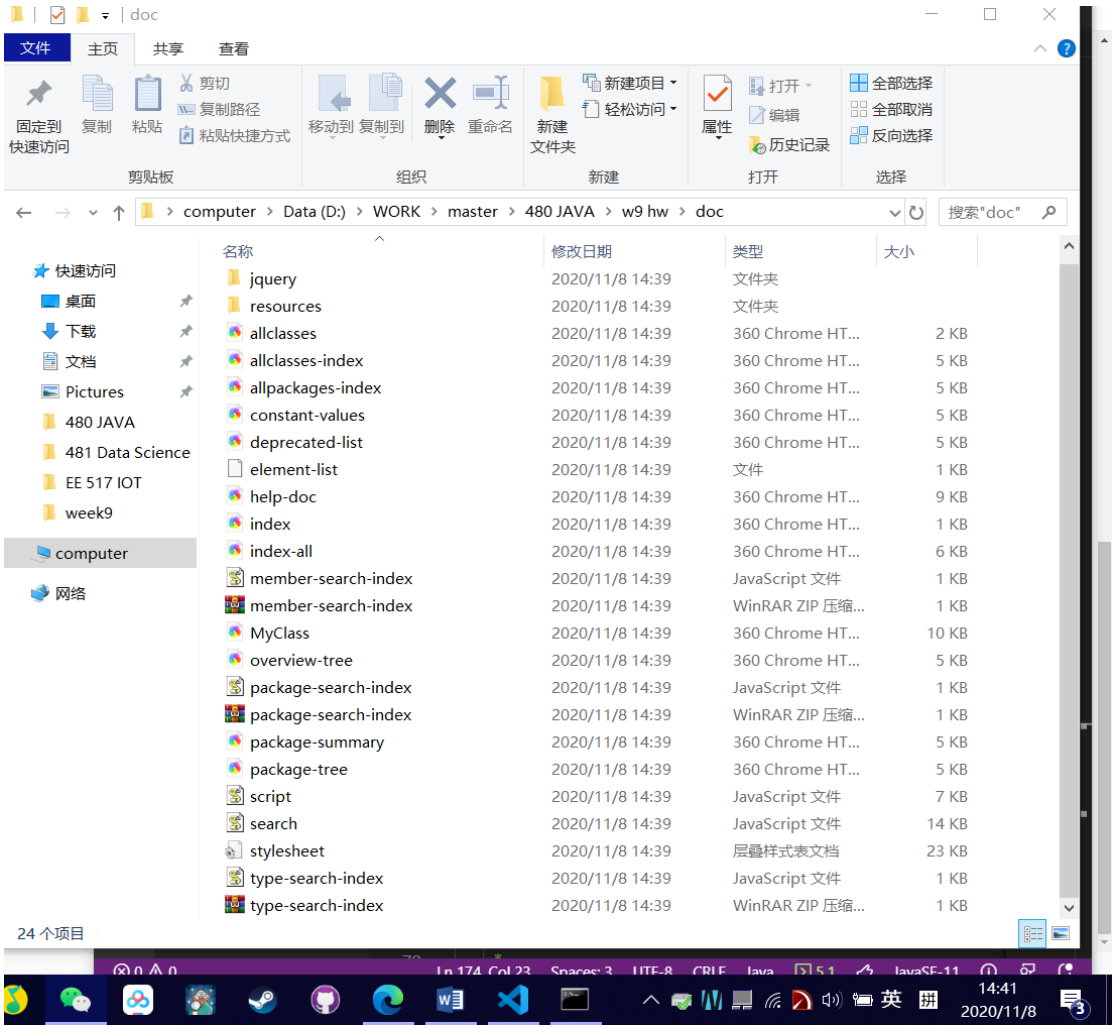
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主页
共享
查看
固定到快速访问
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粘贴快捷方式
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移动到
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重命名
组织
新建文件夹
新建项目
轻松访问
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历史记录
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481 Data Science
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allclasses-index 2020/11/8 14:39 360 Chrome HT... 5 KB
allpackages-index 2020/11/8 14:39 360 Chrome HT... 5 KB
constant-values 2020/11/8 14:39 360 Chrome HT... 5 KB
deprecated-list 2020/11/8 14:39 360 Chrome HT... 5 KB
element-list 2020/11/8 14:39 文件 1 KB
help-doc 2020/11/8 14:39 360 Chrome HT... 9 KB
index 2020/11/8 14:39 360 Chrome HT... 1 KB
index-all 2020/11/8 14:39 360 Chrome HT... 6 KB
member-search-index 2020/11/8 14:39 JavaScript 文件 1 KB
member-search-index 2020/11/8 14:39 WinRAR ZIP 压缩... 1 KB
MyClass 2020/11/8 14:39 360 Chrome HT... 10 KB
overview-tree 2020/11/8 14:39 360 Chrome HT... 5 KB
package-search-index 2020/11/8 14:39 JavaScript 文件 1 KB
package-search-index 2020/11/8 14:39 WinRAR ZIP 压缩... 1 KB
package-summary 2020/11/8 14:39 360 Chrome HT... 5 KB
package-tree 2020/11/8 14:39 360 Chrome HT... 5 KB
script 2020/11/8 14:39 JavaScript 文件 7 KB
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stylesheet 2020/11/8 14:39 层叠样式表文档 23 KB
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type-search-index 2020/11/8 14:39 WinRAR ZIP 压缩... 1 KB
24 个项目
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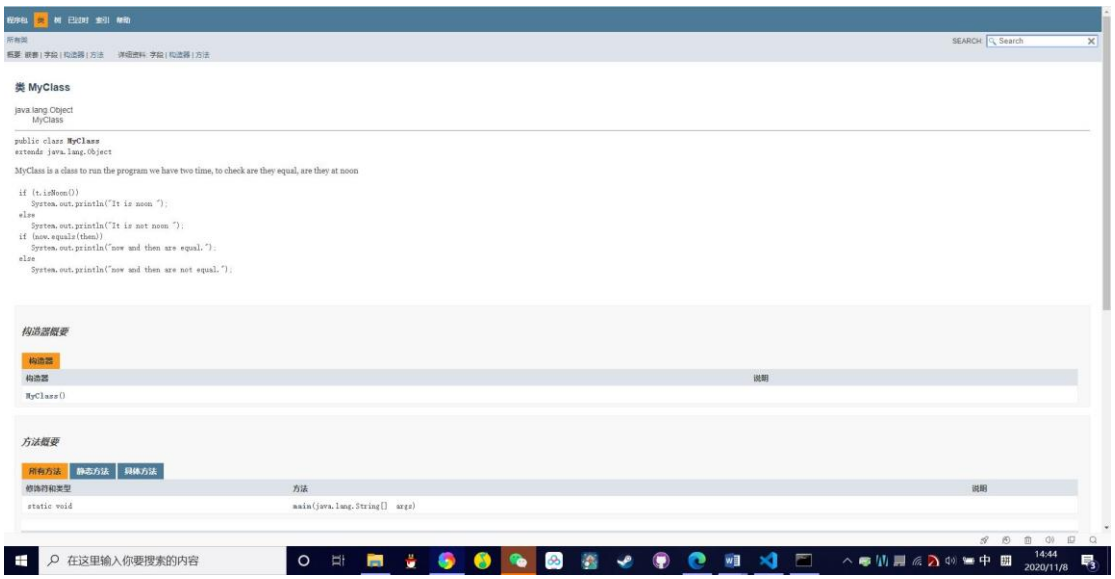
类 MyClass
java.lang.Object
MyClass
public class MyClass
extends java.lang.Object
MyClass is a class to run the program we have two time, to check are they equal, are they at noon
构造器概要
构造器
方法概要
所有方法
静态方法
具体方法
在这里输入你要搜索的内容
14:44
2020/11/8