TURNING IN ASSIGNMENTS

JAVA VERSION

• IF YOU USE JAVA 9 YOUR CODE WILL FAIL

• Our grader and tester use and rely on Java 8, if you use Java 9 or a different version of java you will fail all tests resulting in a 0

DO NOT USE JAVA 9

MAKING YOUR ASSIGNMENT JAVA 8

• When creating a new project make sure the execution environment is set to Java 1.8

| 🖨 New Java Project | - | | |
|--|---|---|--------|
| Create a Java Project Create a Java project in the workspace or in an e | xternal location. | | |
| Project name: torell_assignment0 Use default location Location: C:\Users\Kent Torell\Documents\G | radSchool\Comp410WorkSpace\ | | Browse |
| Use an execution environment JRE: Use a project specific JRE: Use default JRE (currently 'jdk1.8.0_181') | JavaSE-9 CDC-1.0/Foundation-1.0 OSGi/Minimum-1.0 CDC-1.1/Foundation-1.1 JRE-1.1 OSGi/Minimum-1.1 J2SE-1.2 | | ~ |
| O Use project folder as root for sources and O Create separate folders for sources and cla Working sets | OSG//Minimum-1.2 J2SE-1.3 J2SE-1.4 J2SE-1.5 JavaSE-1.6 JavaSE-1.7 JavaSE-1.8 JavaSE-0 | | |
| Working sets: | JavaSE-10 | S | elect |

 The default compiler compliance level for the current workspace is 1.8. The new project will use a project specific compiler compliance level of 9.

Next >

Finish

CHANGING JAVA VERSIONS

.

×.

- Make sure you see Java SE1.8 or something similar in your package explorer
 - ✓ E torell_assignment0
 > JRE System Library [JavaSE-1.8]
 ✓ E src
 > Assignment0

- If not:
 - Right click on PROJECT
 - Select BUILD PATH → CONFIGURE BUILD PATH

| Assign torell_assign torell_assign Open in New Window Show In Alt+Shift+W> Show In Alt+Shift+W> Show In Alt+Shift+W> Copy Qualified Name Ctrl+C Paste Ctrl+V Delete Delete Source from Context Ctrl+Alt+Shift+Down Source Alt+Shift+T> Refactor Alt+Shift+T> Refactor Alt+Shift+T> Move Source Folder Source Folder Export Source Folder Export Source Folder Close Project Close Project Close Unrelated Projects Assign Working Sets Coverage As > Run As > Debug As > Validate Restore from Local History Checkstyle > | torell_assignn JRE Syster B src | | New Go Into | > | | | |
|--|--|---|--|---------------------|-----------|-----------------------|--|
| Copy Ctrl+C Copy Qualified Name Paste Paste Ctrl+V Delete Delete Source from Context Ctrl+Alt+Shift+Down Build Path > Source Alt+Shift+S> Refactor Alt+Shift+S> Refactor Alt+Shift+T> Import Export Export Add External Archives Close Project Close Project Close Vorleaded Projects Assign Working Sets Coverage As > Run As > Debug As > Validate > Restore from Local History > Checkstyle > | > 🖶 Assigr torell_assignr torell_assignr | | Open in New Window Open Type Hierarchy Show In | F4 Alt+Shift+W > | | | |
| Paste Ctrl+V Delete Delete Remove from Context Ctrl+Alt+Shift+Down Build Path > Source Alt+Shift+S> Refactor Alt+Shift+S> Import > Export > Close Project Close Projects Close Unrelated Projects Assign Working Sets Coverage As > Run As > Validate > Restore from Local History > Checkstyle > | | | Copy Copy Qualified Name | Ctrl+C | | | |
| Remove from Context Ctrl+Alt+Shift+Down Build Path Source Source Alt+Shift+S> Refactor Alt+Shift+T> Refactor Alt+Shift+T> Import Source Export Add External Archives Close Project Close Projects Close Unrelated Projects Assign Working Sets Coverage As > Run As > Debug As > Validate Restore from Local History Checkstyle > | | * | Paste Delete | Ctrl+V Delete | | | |
| Build Path 2 and chink source Source Alt+Shift+S > Altex Shift+S > Refactor Alt+Shift+T > and chink source Folder Import Export and dk External Archives Export Add External Archives Close Project Close Projects Close Unrelated Projects Assign Working Sets Coverage As > Restore from Local History Checkstyle Team > | | 2 | Remove from Context | Ctrl+Alt+Shift+Down | | Link Course | |
| Refactor Alt+Shift+T > Import Import Export Add External Archives Close Project Add Libraries Close Project Close Unrelated Projects Assign Working Sets Coverage As Debug As > Validate Restore from Local History Checkstyle > Team > | | | Source | Alt+Shift+S > | ine €° | New Source Folder | |
| Import ▲ Add External Archives ▲ Export ▲ Add External Archives ▲ Add Libraries ▲ Add Libraries ▲ Close Project Close Unrelated Projects Assign Working Sets ▲ Sign Working Sets Coverage As > Run As > Debug As > Validate Restore from Local History Checkstyle > Team > | | | Refactor | Alt+Shift+T > | # | Use as Source Folder | |
| ▲ Add Libraries ★ Refresh F5 Close Project Close Unrelated Projects Assign Working Sets Coverage As Run As Debug As Validate Restore from Local History Checkstyle Team | | 2 | Import | | <u>.</u> | Add External Archives | |
| Refresh F5 Configure Build Path Close Project Close Unrelated Projects Image: Configure Build Path Close Unrelated Projects Assign Working Sets Image: Configure Build Path Coverage As > Image: Configure Build Path Coverage As > Image: Configure Build Path Coverage As > > Run As > > Debug As > > Validate Restore from Local History Image: Configure Build Path Checkstyle > > Team > Image: Configure Build Path | | 4 | Export | | =\ | Add Libraries | |
| Close Project Close Unrelated Projects Assign Working Sets Coverage As Run As Debug As Validate Restore from Local History Checkstyle Team > | | S | Refresh | F5 | ð: | Configure Build Path | |
| Coverage As>Run As>Debug As>Validate>Restore from Local History>Checkstyle>Team> | | | Close Project Close Unrelated Projects Assign Working Sets | | | | |
| Run As > Debug As > Validate Restore from Local History Checkstyle > Team > | | | Coverage As | > | | | |
| Validate Restore from Local History Checkstyle > Team > | | | Run As | > | | | |
| Restore from Local History Checkstyle > Team > | | | Validate | | | | |
| Checkstyle > Team > | | | Restore from Local History | | | | |
| Team > | | | Checkstyle | > | | | |
| | | | Team | > | | | |
| Compare With > | | | Compare With | × × | | | |
| | | | Conligure | AH 5 1 | | | |
| Properties Ait+Enter | | _ | Properties | Alt+Enter | | | |

CHANGING JAVA VERSIONS

• Java build path \rightarrow Libraries \rightarrow (if using java 9) Class path \rightarrow Select current

java version \rightarrow Edit

| Properties for Test | | $ \Box$ \times |
|--|---|--|
| type filter text | Build path entry is missing: org.eclipsedebug.ui.launcher.StandardV | /MType/JavaSE-9 🌾 🖛 🤿 👻 🖛 |
| type filter text > Resource Builders Checkstyle Coverage Java Build Path > Java Code Style > Java Compiler > Java Editor Javadoc Location Project References Run/Debug Settings > Task Repository Task Tags > Validation WikiText | ▲ Build path entry is missing: org.eclipsedebug.ui.launcher.Standardv ● Source Projects ▲ Libraries �o Order and Export JARs and class folders on the build path: ● ♦ Modulepath ● ♦ Classpath > ● IRE System Library [JavaSE-9] (unbound) > ● | MType/JavaSE-9 <> Add JARs Add External JARs Add Variable Add Library Add Class Folder Add External Class Folder Edit Edit Migrate JAR File |
| | | Apply |
| ? | 4 | Apply and Close Cancel |

CHANGING JAVA VERSIONS

• Execution environment -> JavaSE-1.8 \rightarrow Finish \rightarrow Apply and Close

| | | | envir <u>o</u> nments |
|---|--|---|-----------------------|
| ○ Alternate <u>J</u> RE: ○ Workspace <u>d</u> efault JRE (ji | CDC-1.0/Foundation-1.0 (jdk1.8.0_181) OSGi/Minimum-1.0 (jdk1.8.0_181) CDC-1.1/Foundation-1.1 (jdk1.8.0_181) JRE-1.1 (jdk1.8.0_181) OSGi/Minimum-1.1 (jdk1.8.0_181) J2SE-1.2 (jdk1.8.0_181) OSGi/Minimum-1.2 (jdk1.8.0_181) J2SE-1.3 (jdk1.8.0_181) J2SE-1.4 (jdk1.8.0_181) J2SE-1.5 (jdk1.8.0_181) JavaSE-1.6 (jdk1.8.0_181) JavaSE-1.7 (jdk1.8.0_181) JavaSE-1.8 (jdk1.8.0_181) JavaSE-9 (unbound) | | Installed JREs |
| | Javase- IU (unbound) | _ | |

NAMING CONVENTIONS

- Project name: yourOnyen_assignment
 - Example: Torell_assignment0
- Package name: Provided with each assignment
- Class name: also provided
- Failure to follow these conventions will result in the autograder failing to find your work and assigning a 0

required to submit this interface as well as your other java files.

(1) Interface HelloWorld_Interface

package Assignment0;

* COMP 410

- * Make your class and its methods public!
- * Don't modify this file!
- * Begin by creating a class that implements this interface.

*/

public interface HelloWorld_Interface {

Interface: A HelloWorld will implement the following interface

String say_it
 in: nothing
 return: String "hello world"

String say_it_loud in: nothing return: String "HELLO WORLD"

*/

String say_it();
String say_it_loud();

(2) Class HelloWorld

TESTING YOUR CODE

- We have provided some testing code
 - Passing our checks DOES NOT guarantee a high grade
- Write your own code to test edge cases
 - Passing our checks DOES NOT guarantee a high grade
- Testing code is not always accurate, bugs are a thing
 - Passing our checks DOES NOT guarantee a high grade

TLDR: Passing our checks DOES NOT guarantee a high grade

ADDING THE TESTER

- Download the LocalChecks.jar from Sakai and put it somewhere safe (Desktop, special folder, wherever it wont get deleted or moved by accident)
 - ***Do not put it in your eclipse workspace***
 - When downloading on a windows machine it will say the file might be dangerous, this is normal, it isn't dangerous

Additional resources for assignment

<u>410LocalChecks.jar</u> (4 MB; Aug 24, 2018 2:47 pm)

ADDING THE TESTER

- Right click on eclipse project, select properties → Java Build Path → Libraries → Add External JAR
- Find the 410LocalChecks.jar and hit open
 - This should add it to the libraries list
- Apply and close

| Replace With Configure | > |
|---------------------------|-----------|
| Properties | Alt+Enter |
| | |

| Properties for tester | | — 🗆 X |
|---|--|--|
| | Java Build Path | <> ▼ <> ▼ ▼ |
| > Resource Builders Checkstyle Coverage Java Build Path Java Code Style > Java Compiler > Java Editor Javadoc Location Project References Refactoring History Run/Debug Settings > Task Repository Task Tags > Validation WikiText | Java Build Path Source Projects Libraries Order and Export JARs and class folders on the build path: JRE System Library [JavaSE-1.8] | Add JARs Add External JARs Id Variable Add Library Add Class Folder Add External Class Folder Edit Edit Migrate JAR File |
| | | Apply |
| ? | Apply | and Close Cancel |

RUNNING THE TESTER

- Copy the code we provide for the RunTests code and execute
- If added correctly you should see the LocalChecks window appear, load, and run the tests
 - Red is fail
 - Green is pass
 - Yellow is partial fail, partial pass
 - IF YOU SEE A BUS:
 - You correctly added the LocalChecks correctly but need to run the correct file, make sure you right click on the RunTests file and run as java application
- The first time you run the tester you will see a popup about a consent form for Prasun Dewan, please accept it for research reasons
- Close your local checks window after each use or you will be wasting resources and your computer might slow down

TURNING IN YOUR ASSIGNMENT

?

- Remove LocalChecks from the build path
- Zip the folder into a folder named yourOnyen_assignmentX.zip
- Submit the zipped folder
- To zip: Right click the Project and select Export → General → Archive File → Next

| | Refactor | Alt+Shift+T > |
|---|---------------|---------------|
| è | Import | |
| 4 | Export | |
| S | Refresh | F5 |
| | Close Project | |

Next >

Cancel

< Back

TURNING IN YOUR ASSIGNMENT



SAKAI

- Turn in your assignment to Sakai
- Our grader automatically checks the submission date so if you submit 1 minute late you will receive a late penalty
 - When in doubt submit early!

REGRADE QUESTIONS

- All homework regrade requests or homework grade scores MUST be asked on Piazza, in a private message, in the grading_questions folder, with the zip file attached
 - Failure to do so may result in your question being lost to the abyss
 - I will regrade at most one time per person per assignment (Half points returned)

| Post Type | Question if you need an answer if you don't need an answer if you need a vote |
|-------------------------------------|--|
| Post to | Entire Class (a) Individual Student(s) / Instructor(s) Enter one or more nattles Type "naturative" to include all instructors. Instructors * |
| Select Folder(s) | hw1 hw2 hw3 hw4 hw5 hw0 grading_questions questions_for_instructors midterm_exam final_exam |
| Summary (100 characters or less) | HW1 Regrade please |
| Details use plain text editor | Edit • Insert • View • Format • Table • B I E E IT TI• E E I I I To To Table • I submitted my HW1 wrong, can I get a regrade? ONYEN: torell Full name: Kent Torell |
| Posting Options | Send email notifications immediately (bypassing students' email preferences, if necessary) |
| | Post My Note to COMP 410-001! Save Draft Cancel |