**3. Intellij Basic Training**

1. Create sample java project
2. Add following class which accept three numbers and return the largest

public class Largest {

public static void main(String[] args) {

int n1 = 4, n2 = 10, n3 = 7;

getLargest(n1, n2, n3);

}

private static void getLargest(int n1, int n2, int n3) {

if( n1 >= n2 && n1 >= n3)

System.out.println(n1 + " is the largest number.");

else if (n2 >= n1 && n2 >= n3)

System.out.println(n2 + " is the largest number.");

else

System.out.println(n3 + " is the largest number.");

}

}

1. Use the SonarLint plugin to fix issues in this program and show the final program.

Text

Description automatically generated

1. Run your application in debug mode and debug your application and answer the following questions.

Why do you need to debug applications?

**Debugging is necessary to identify and fix errors, improve performance, verify functionality, and handle complex systems in software development**

* 1. What is a breakpoint?

**A breakpoint is a feature in a debugger that pauses program execution at a specific line of code, allowing inspection and analysis of the program's state.**

* 1. Explain these operations **Step Into, Step Over, Resume**

**Step Into:** This operation allows us to execute the next line of code and, if the current line is a function or method call, enter the function or method to inspect its execution line by line.

**Step Over**: This operation allows us to execute the next line of code without entering a function or method call. **This is useful for skipping over code that don't need to inspect**.

**Resume**: This operation allows us to resume normal program execution after it has been paused by a breakpoint or because of a Step Into or Step Over operation. **This is useful for continuing execution after we have finished inspecting the state of the program**.

1. These are few frequently used intellij operations. Read about them and list the shortcuts we can use for them

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| --- | --- |
| Search everywhere | Double shift |
| View recent files | Ctrl + E |
| Find usages | Alt + F7 |
| Evaluate expressions | Ctrl + Alt + F8 |
| Multiline select | Alt + Shift + Click |

1. Rename the answer sheet as “intellij-basic-training-<your-name>-<date>” and submit