

**Course Experiment Report**

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| **Course:** | Java Programming Language | | | | | | |
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| **Semester:** | 1-18th | **week** | 2nd | **year** | | 1st | **term** |
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| **Major:** | Software Engineering Class | | | | | **Class:** | 2018 |
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| **Teacher:** | Wang Xiaomeng | | | | | | |

College of Computer and Information Science

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| Project | Elementary Programming | | |
| Time | 2019/9/6 | Type | □Verification □Design □Synthetical |
| **1. Objective**  Through this training, to master and be familiar with the programming environment of Java language. Run a Java program; the students master the Java language data types, operators and expressions and other basic content. Understand the precedence of operators.  **2. Requirement**  Programming the following exercise  **Problem 1:** Write the first java program    **Problem 2:** Solving linear equations      **3. Content and design of experiment(main content, operations, algorithm description or code of program)**  **Problem 1:** Write the first java program  **Solutions:**   1. First，I should write the header file and create a new class which is public. 2. Then I use “System.out.println” output the “Hello World！”.   **Codes:**    **Results:**    **Summary:**  This is my first Java program, I learned how to create a Java file and how to compile it. What’s more, I learned to use Command indicator to run program.  **Problem 2:** Solving linear equations  **Solutions:**   1. First，I should import the “java.util.Scanner” which will provide input method. 2. Then I should write the header file and create a new class which is public. 3. Then I use “Scanner input = new Scanner(System.in);”which will create an object for the input stream. 4. Then follow the require to write input statement to input the parameter. 5. Output result. 6. Improve language friendliness by adding prompt words.   **Codes:**      **Results:**    **Summary:**   1. I have a rudimentary understanding of package references in Java. 2. I have a good command of Java input and output statements. 3. I see the difference between “println” and “print”, the former can wrap the line, the latter can't. 4. “\n” and “\t” also works in Java. 5. Through the Internet search, I learned about the formatted output of Java, and realized that the results were saved to two decimal places. | | | |

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| Teacher’s  comments | content and design of experiment（A-E）： |  |
| operations, algorithm description or code of program（A-E）： |  |
| results（A-E）： |  |
| summary and analysis of experiment（A-E）： |  |
| Grade（A-E）： | |