

**Course Experiment Report**

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| **Course:** | Java Language | | | | | | |
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| **Semester:** | 1-20th | **week** | 2nd | **year** | | 2nd | **term** |
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| **Major:** | Software Engineering | | | | | **Class:** | 2019.3 |
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| **Teacher:** | Wang Xiaomeng | | | | | | |

College of Computer and Information Science

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| Project | Exp1 Elementary Programming | | |
| Time | 2020.09.14 | Type | □Verification □Design □Synthetical |
| 1. Answer the questions  (1) Will it affect compilation when the class name and file name are inconsistent?  A: Yes, the class name and file name must be consistent.  (2) How to use the parameters of the main function?  A: Type the parameters into the “Run Configurations – Program Arguments”.  (3) How to use printf() for formatted output?  A: Use formatted strings to output, and parameters table followed, format like “printf(“<formatted string><parameters table>”)”.  (4) How to use mathematical expressions in java? Please give an example.  A: Translation of mathematical formulas into programming language expressions, and import the “math” package can use more complicated formulas.  (5) Other thoughts.  A: This experiment gave me a preliminary understanding of the Java language, and I have a preliminary grasp of the use of Eclipse IDE, Including parameter input and program debugging.  2. All Codes  **Ex1:**  package Helloworld;  public class Hello {  public static void main(String[] args) {  System.***out***.print("Hello World!");    }    }  **Ex2:**  package add;  public class Add {  public static void main(String[] args) {  int a = Integer.*parseInt*(args[0]);  int b = Integer.*parseInt*(args[1]);    System.***out***.print(a + " + " + b + " = " + (a + b));  }  }  **Ex3:**  package linearEquation;  public class LinearEquation {  public static void main(String[] args) {  double a = Double.*parseDouble*(args[0]);  double b = Double.*parseDouble*(args[1]);  double e = Double.*parseDouble*(args[2]);  double c = Double.*parseDouble*(args[3]);  double d = Double.*parseDouble*(args[4]);  double f = Double.*parseDouble*(args[5]);    double x = (e \* d - b \* f) / (a \* d - b \* c);  double y = (a \* f - e \* c) / (a \* d - b \* c);    System.***out***.println("x = " + x + ", y = " + y);    }  } | | | |
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| Evaluation | Code Correctness (60%): |  |
| Experience (40%): |  |
| Score： | |