

Lab 3

Create a new Eclipse project named **YourStudentId_Lab3** and add a class named **Tester3** to the project. Experiment with basic Java learned in Chapter 2:

1. Write a program that prompts the user for two integers and then print the sum, the product, the average, and the maximum (please use if-else).

Sample output: (the green one is user input)

```
Please input an integer: 50
Please input another integer: 30
Sum: 80
Product: 1500
Avg: 40.00
Maximum: 50
```

2. Based on the output of 1, use **printf** to formatting the output, so the output would be:

```
Sum: 80
Product: 1500
Avg:40.00
Maximum: 50
```

3. (1) Declare two String variables (firstName and lastName) to store your first name and last name.
(2) Declare a String variable(fullName) to store your full name (your first name and last name).
(3) Print first name, last name, and full name with the length
(4) Use **substring** to get your last name from fullName and print it.

Sample output:

```
LiangYu
Hou
LiangYu Hou 11
Hou
```

4. Use **variables declared in Q1** for checking whether x could be divided by y. If Yes print “it is okay!”, otherwise, print the remainder. (Print variables first). Sample output:

```
x is 50
y is 30
20
```

Or

```
x is 30
y is 10
it is okay!
```

Submission: Submit your project as “zip (or rar) file” via WM5. No other submissions will be graded.

Reminder: Please zip **the whole project**

Deadline: Tomorrow’s midnight (for both Mon56 and Tue23)