

Lab 2

Create a new Eclipse project named **YourStudentId_Lab2** and add a class named **Lab2** to the project.

1. Write a program that prompts the user for two integers and then print the *sum*, the *multiplication*, the *average*, and the *maximum* :
 - a. Declare *num1*, and *num2* variable.
 - b. Display " *Please input two number(use space to split):* " on the console to remind the user to enter the number.
 - c. Use the *Scanner* object to read the input content and assign the object to *numScanner*.
 - a. Use *nextInt()* method to initialize the variable *num1*, *num2* with the numbers entered by the user.
 - d. Calculate and print the following results on the console.

Sample output: (the green one is user input)

```
Please input two number(use space to split): 12 32
Sum: 44
Mul: 384
Avg: 22.0
Max: 32
```

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

Sample output:

```
Alston Yang 11
Yang
```

3. Use variables declared in Question1 to confirm whether the x and y variables are odd or even, and print corresponding messages based on the following four conditions:

Sample output:

	Input value	Output
Case 1	num1 = 1, num2 = 3	Both num1 and num2 are odd.
Case 2	num1 = 2, num2 = 4	Both num1 and num2 are even.
Case 3	num1 = 1, num2 = 2	num1 is odd, num2 is even.
Case 4	num1 = 2, num2 = 1	num1 is even, num2 is odd.

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

Reminder: Please zip **the whole project**

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