Java 物件導向

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Facebook Group



https://goo.gl/BXecww

Evaluation

- Lab Exercises: 5%
- Assignment: 30%

Assignment



注意事項!!!

- 1. 程式碼內要含註解,並且要生成 Javadoc
- 2. class 命名為 IntegerTester
- 3. 檔案取名 yourStudentID_1 (e.g. 605530018_1)
- 4. 完成 = 輸出+壓縮+上傳
- 5. 第一次作業期限為 3/23

Primitive type

Code

```
public class variable {
       public static void main(String args[]) {
           // Java 有八種基本型態(Primitive type)
           byte var byte = 127;
           System.out.println("byte: "+var byte);
           short var short = 32767;
           System.out.println("short: "+var short);
           int var int = 2147483647;
           System.out.println("int: "+var int);
11
           long var long = 9223372036854775807L;
13
           System.out.println("long: "+var long);
14
           float var float = 0.5F;
           System.out.println("float: "+var float);
16
           double var double = 0.5;
           System.out.println("double: "+var double);
           boolean var boolean = true;
           System.out.println("boolean: "+var boolean);
           char var char = 'A';
           System.out.println("char: "+var char);
           /* 物件型態(Object type) */
           String a = "I Love ";
           //new String Object
           String b = new String("JAVA !");
           System. out. println(a+b);
30
```

Result

```
byte: 127
short: 32767
int: 2147483647
long: 9223372036854775807
float: 0.5
double: 0.5
boolean: true
char: A
I Love JAVA !
```

Primitive type

型態類型	關鍵字	位元數	範圍
整數	byte	8	-128 ~ 127
整數	short	16	-32768 ~ 32767
整數	int	32	-2147483648 ~ 2147483647
整數	long	64	-9223372036854775808 ~ 9223372036854775807
浮點數	float	32	依據 IEEE 754 標準
浮點數	double	64	依據 IEEE 754 標準
布林值	boolean	1	true, flase
字元	char	16	'\u0000' - '\uffff'

Main Argument

Main Argument

Code

```
public class args {

public static void main(String[] args) {

System.out.println("args array 1:"+args[0]);

System.out.println("args array 2:"+args[1]);

System.out.println("args array 3:"+args[2]);

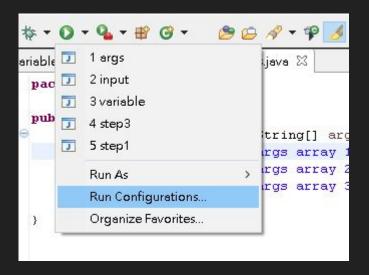
}

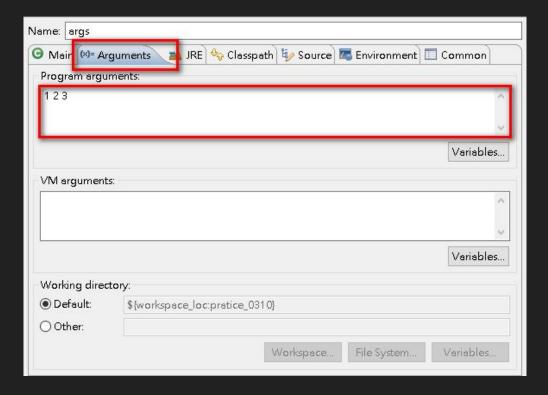
y
```

Result

```
args array 1:1
args array 2:2
args array 3:3
```

Main Argument(cont.)





Scanner

Code

```
1 // input.java
20 import java.util.Scanner;
3 import java.lang.Math;
4⊕ /** This is a i/o example program.
    * @author Bing
    * @version 1.0
   public class input {
       /** main class
LO
       * @param args array of string arguments
130
       public static void main (String args[]) {
14
           int num1, num2, num3;
           Scanner scanner = new Scanner (System.in);
           System.out.println("Enter two integers and less than 50: ");
           num1 = scanner.nextInt();
19
           while (num1 > 50) {
               System.out.println("not greater than 50");
               num1 = scanner.nextInt();
           num2 = scanner.nextInt();
           while (num2 > 50) {
               System.out.println("not greater than 50");
               num2 = scanner.nextInt();
29
           1
30
           System.out.println("first number: " + num1 );
           System.out.println("second number: " + num2 );
33
           System.out.println("sum: " +(num1+num2));
           System.out.println("average: " +(double)(num1+num2)/2);
           System.out.println("average: " +(num1+num2)/(double)2);
           System.out.println("average: " +(num1+num2)/2F);
           System.out.println("distance: " + Math.abs(num1-num2));
38
```

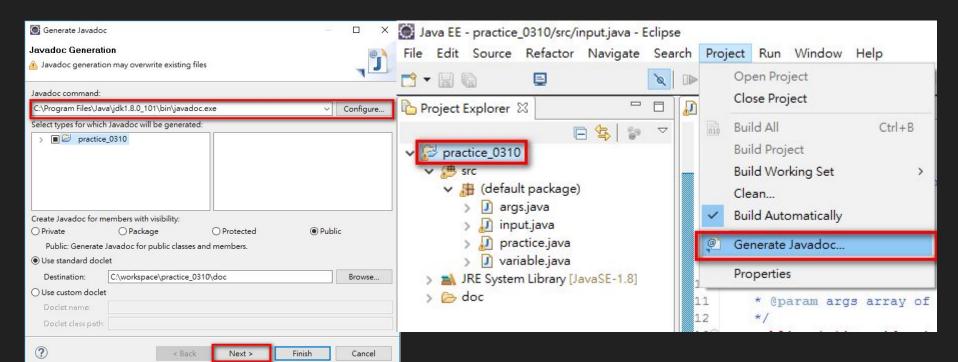
Result

```
Enter two integers and less than 50:
20 25
first number: 20
second number: 25
sum: 45
average: 22.5
average: 22.5
average: 22.5
distance: 5
```

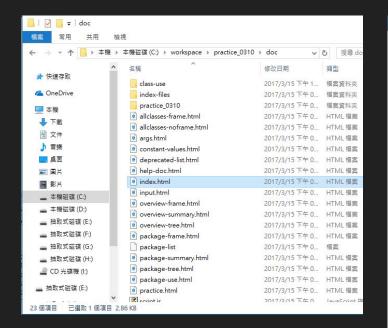


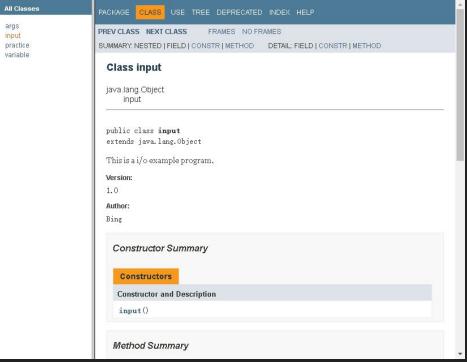
注意!!!

Javadoc

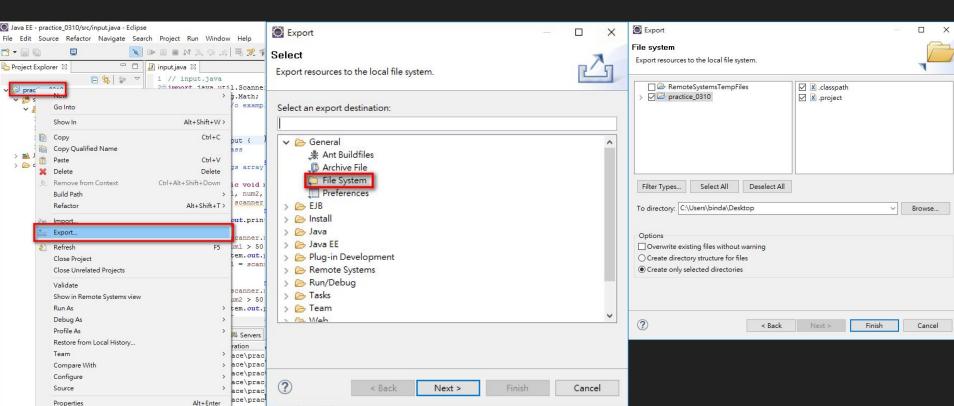


Javadoc(cont.)





Export



END

下課 = 練習完畢+簽名