**第一日下午**

# 課堂練習1

## 1-1

**public** **class** Ex1 {

**public** **static** **void** main(String[] args) {

System.***out***.println("HelloWorld");

**int** N = 100;

**int** sum = 0;

sum = ((1 + N) \* N) / 2;

System.***out***.printf("%d", sum);

}

}

## 1-2

**public** **class** Ex1 {

**public** **static** **void** main(String[] args) {

System.***out***.println("HelloWorld");

**int** a = 1;

**int** b = 3;

**int** c = -4;

**double** x1=0;

**double** x2=0;

x1=(-b+Math.*sqrt*(b\*b-4\*a\*c))/(2\*a);

x2=(-b-Math.*sqrt*(b\*b-4\*a\*c))/(2\*a);

System.***out***.printf("x1=%f,x2=%f", x1,x2);

}

}

## 1-3

**public** **class** Ex1 {

**public** **static** **void** main(String[] args) {

System.***out***.println("HelloWorld");

**int**[][] num = **new** **int**[3][3];

**int** i = 0;

**int** j = 0;

**int** sum = 0;

**int**[] show = **new** **int**[3];

**for** (i = 0; i < 3; i++) {

**for** (j = 0; j < 3; j++) {

num[i][j] = (**int**) (Math.*random*() \* (100 - 1) + 1);

}

}

**for** (i = 0; i < 3; i++) {

**for** (j = 0; j < 3; j++) {

sum = sum + num[i][j];

}

System.***out***.printf("第%d行的總和為:%d\n", i + 1, sum);

**if** (sum > 100) {

System.***out***.println("YES!");

} **else** {

System.***out***.println("NO!");

}

sum = 0;

}

**for** (j = 0; j < 3; j++) {

**for** (i = 0; i < 3; i++) {

sum = sum + num[i][j];

}

System.***out***.printf("第%d列的總和為:%d\n", j + 1, sum);

show[j] = sum;

sum = 0;

}

**for** (i = 0; i < 3; i++) {

System.***out***.printf("%d", show[i]);

}

}

}

# 課堂練習2

**import** java.io.\*;

**public** **class** Ex1 {

**public** **static** **void** main(String[] args) {

System.***out***.println("HelloWorld");

File fp = **new** File("java source.txt");

System.***out***.println((**int**)fp.length());

**byte**[] buffer = **new** **byte**[(**int**)fp.length()];

InputStream input = **new** FileInputStream(fp))

**int** n = input.read(buffer);

fp = **new** File("copy.txt");

**if**(!fp.exists()){

fp.createNewFile();

}

OutputStream output = **new** FileOutputStream(fp);

output.write(buffer);

output.close();

}

}