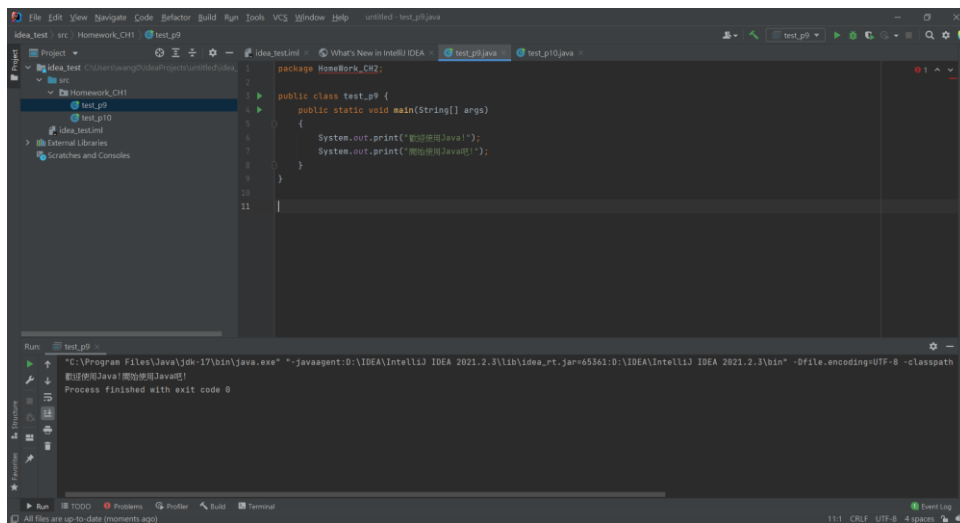


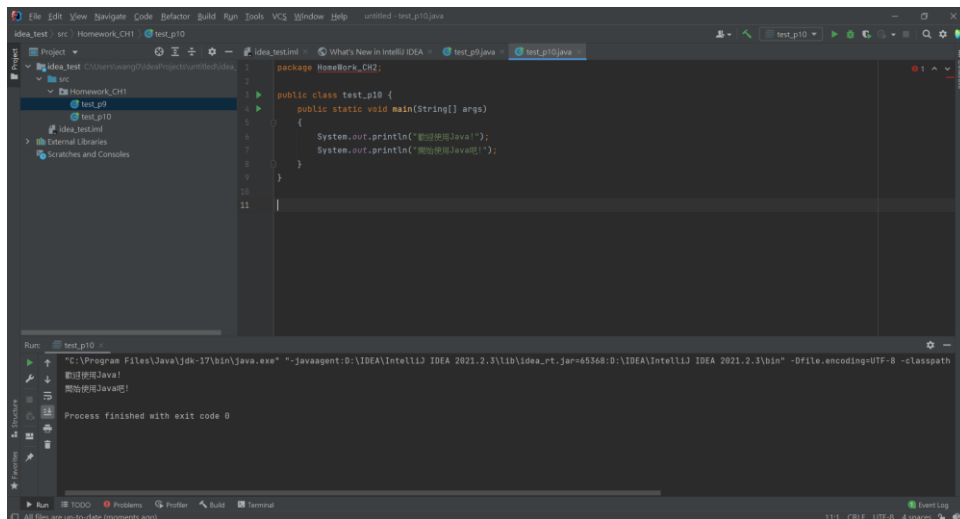
以下是我的練習



The screenshot shows the IntelliJ IDEA interface with a project named 'idea_test'. The file explorer on the left shows the project structure: 'src' > 'Homework_CH1' > 'test_p9'. The main editor displays the code for 'test_p9.java' in the 'Homework_CH2' package. The code is as follows:

```
1 package Homework_CH2;
2
3 public class test_p9 {
4     public static void main(String[] args)
5     {
6         System.out.println("歡迎使用Java!");
7         System.out.println("開始使用Java吧!");
8     }
9 }
10
11
```

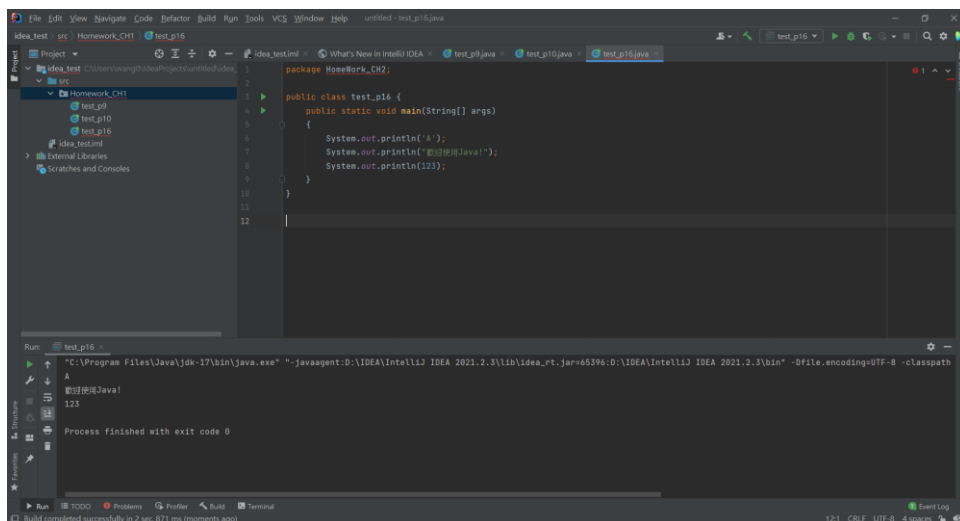
The Run window at the bottom shows the execution of 'test_p9'. The command used is: `"C:\Program Files\Java\jdk-17\bin\java.exe" "-javaagent:D:\IDEA\IntelliJ IDEA 2021.2.3\lib\idea_rt.jar=65361:D:\IDEA\IntelliJ IDEA 2021.2.3\bin" -Dfile.encoding=UTF-8 -classpath`. The output is: `歡迎使用Java!
開始使用Java吧!`. The process finished with exit code 0.



The screenshot shows the IntelliJ IDEA interface with the same project. The file explorer shows the project structure: 'src' > 'Homework_CH1' > 'test_p10'. The main editor displays the code for 'test_p10.java' in the 'Homework_CH2' package. The code is as follows:

```
1 package Homework_CH2;
2
3 public class test_p10 {
4     public static void main(String[] args)
5     {
6         System.out.println("歡迎使用Java!");
7         System.out.println("開始使用Java吧!");
8     }
9 }
10
11
```

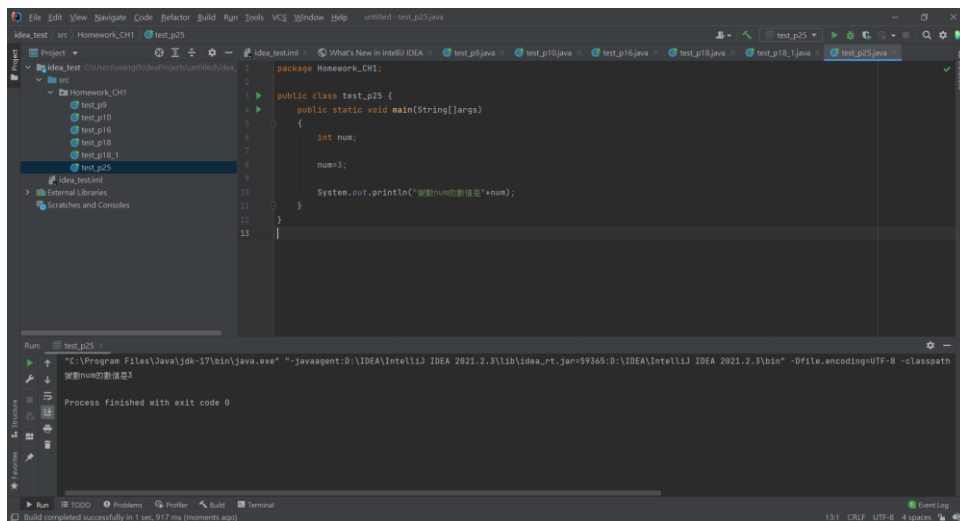
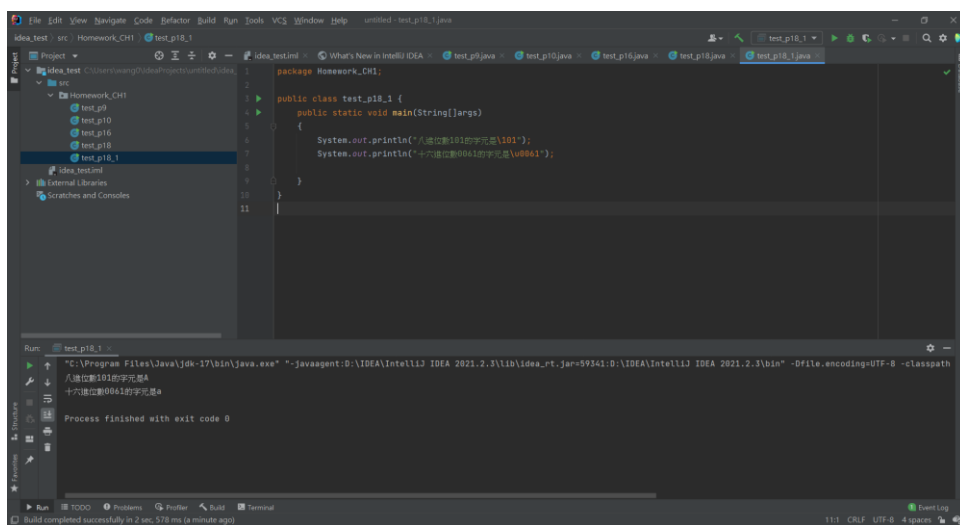
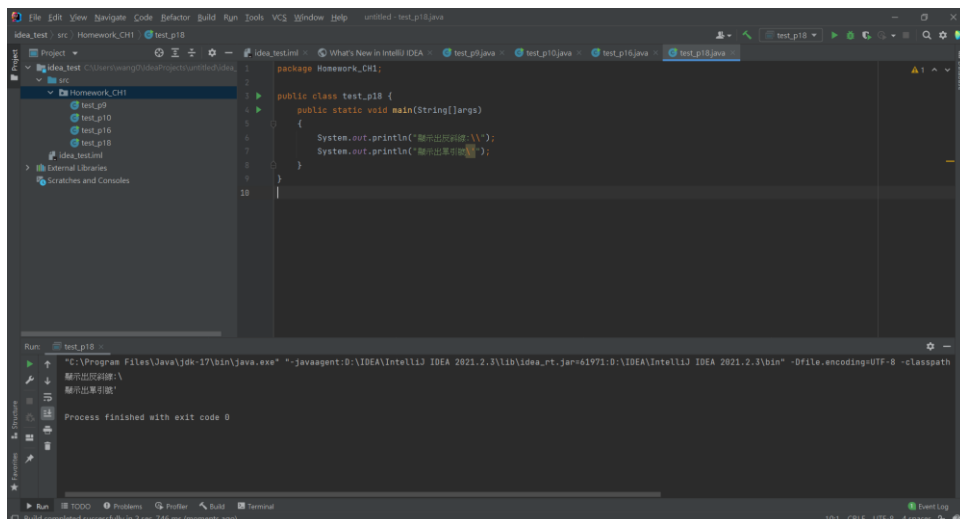
The Run window at the bottom shows the execution of 'test_p10'. The command used is: `"C:\Program Files\Java\jdk-17\bin\java.exe" "-javaagent:D:\IDEA\IntelliJ IDEA 2021.2.3\lib\idea_rt.jar=65368:D:\IDEA\IntelliJ IDEA 2021.2.3\bin" -Dfile.encoding=UTF-8 -classpath`. The output is: `歡迎使用Java!
開始使用Java吧!`. The process finished with exit code 0.



The screenshot shows the IntelliJ IDEA interface with the same project. The file explorer shows the project structure: 'src' > 'Homework_CH1' > 'test_p16'. The main editor displays the code for 'test_p16.java' in the 'Homework_CH2' package. The code is as follows:

```
1 package Homework_CH2;
2
3 public class test_p16 {
4     public static void main(String[] args)
5     {
6         System.out.println('A');
7         System.out.println("歡迎使用Java!");
8         System.out.println(123);
9     }
10 }
11
12
```

The Run window at the bottom shows the execution of 'test_p16'. The command used is: `"C:\Program Files\Java\jdk-17\bin\java.exe" "-javaagent:D:\IDEA\IntelliJ IDEA 2021.2.3\lib\idea_rt.jar=65396:D:\IDEA\IntelliJ IDEA 2021.2.3\bin" -Dfile.encoding=UTF-8 -classpath`. The output is: `A
歡迎使用Java!
123`. The process finished with exit code 0.



```
package Homework_CH1;

public class test_p26 {
    public static void main(String[] args) {
        int num=5;

        System.out.println("变量num的值是"+num);

        num=6;

        System.out.println("得到变量num的值");
        System.out.println("变量num更新后的值是"+num);
    }
}
```

Run: test_p26

"C:\Program Files\Java\jdk-17\bin\java.exe" "-javaagent:D:\IDEA\IntelliJ IDEA 2021.2.3\lib\idea_rt.jar=40086:D:\IDEA\IntelliJ IDEA 2021.2.3\bin" -Dfile.encoding=UTF-8 -classpath

变量num的值是5
得到变量num的值
变量num更新后的值是6

Process finished with exit code 0

```
package Homework_CH1;

public class test_p27 {
    public static void main(String[] args) {
        int num1,num2;

        num1=3;

        System.out.println("变量num1的值是"+num1);

        num2=num1;

        System.out.println("用变量num1指定到变量num2之中");
        System.out.println("变量num2的值是"+num2);
    }
}
```

Run: test_p27

"C:\Program Files\Java\jdk-17\bin\java.exe" "-javaagent:D:\IDEA\IntelliJ IDEA 2021.2.3\lib\idea_rt.jar=54520:D:\IDEA\IntelliJ IDEA 2021.2.3\bin" -Dfile.encoding=UTF-8 -classpath

变量num1的值是3
用变量num1指定到变量num2之中
变量num2的值是3

Process finished with exit code 0

```
package Homework_CH1;

import java.io.BufferedReader;
import java.io.IOException;
import java.io.InputStreamReader;

public class test_p28 {
    public static void main(String[] args) throws IOException {
        System.out.println("请输入一个整数");

        BufferedReader br1=
            new BufferedReader(new InputStreamReader(System.in));

        String str1 = br1.readLine();

        int num =Integer.parseInt(str1);

        System.out.println("你输入的数字是"+num);

        System.out.println("请输入字符串");

        BufferedReader br2=
            new BufferedReader(new InputStreamReader(System.in));

        String str2 = br2.readLine();

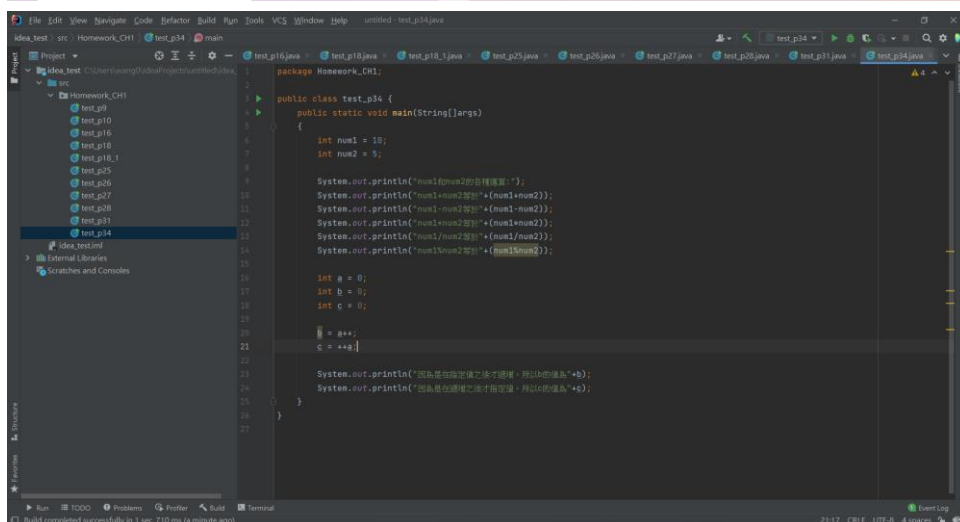
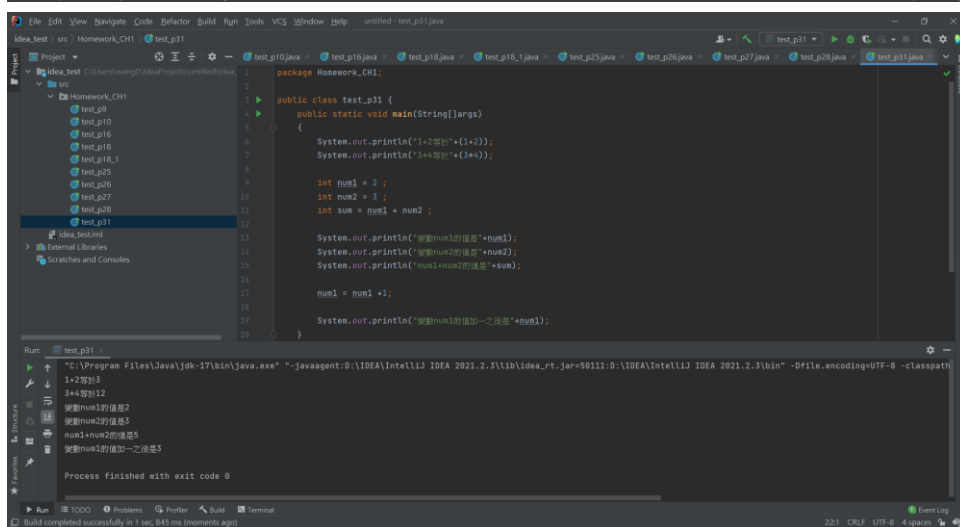
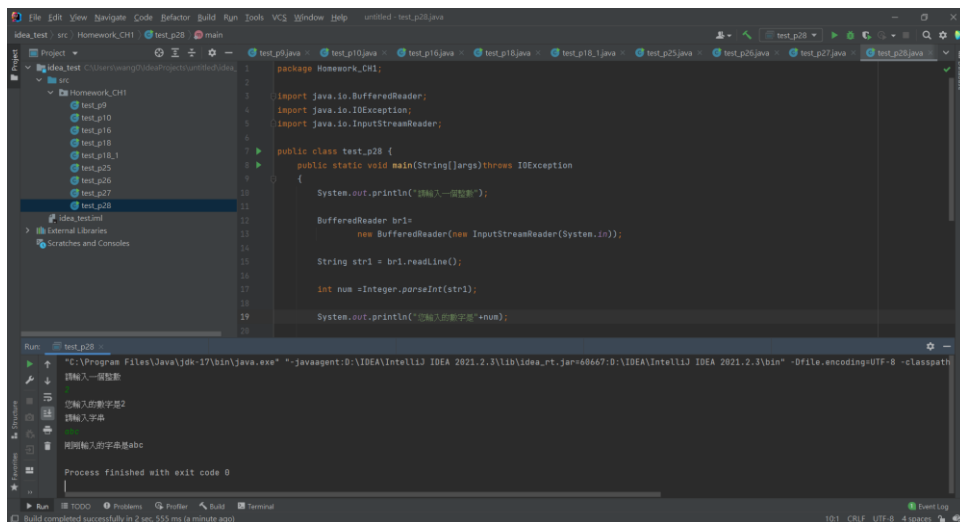
        System.out.println("用你输入的字符串是"+str2);
    }
}
```

Run: test_p28

"C:\Program Files\Java\jdk-17\bin\java.exe" "-javaagent:D:\IDEA\IntelliJ IDEA 2021.2.3\lib\idea_rt.jar=55500:D:\IDEA\IntelliJ IDEA 2021.2.3\bin" -Dfile.encoding=UTF-8 -classpath

请输入一个整数
请输入一个字符串

Process finished with exit code 0



```
package Homework_CH1;

public class test_p34 {
    public static void main(String[] args) {
        int num1 = 18;
        int num2 = 5;

        System.out.println("num1+num2的各種運算:");
        System.out.println("num1+num2等於"+(num1+num2));
        System.out.println("num1-num2等於"+(num1-num2));
        System.out.println("num1*num2等於"+(num1*num2));
        System.out.println("num1/num2等於"+(num1/num2));
        System.out.println("num1%num2等於"+(num1%num2));

        int a = 0;
        int b = 0;
        int c = 0;

        a += b;
    }
}
```

Run: test_p34

Output:

```
num1+num2的各種運算:
num1+num2等於23
num1-num2等於13
num1*num2等於90
num1/num2等於3
num1%num2等於0
因為是右側運算之後才運算，所以b的初始值為0
因為是右側運算之後才運算，所以c的初始值為0
```

```
package Homework_CH1;

public class test_p38 {
    public static void main(String[] args) {
        double dnum = 144.5;
        int inum = (int)dnum;

        System.out.println("長度*寬度=面積");
        System.out.println("指定int型別的變數");
        System.out.println("長度*寬度=面積");
    }
}
```

Run: test_p38

Output:

```
長度144.5公分
指定int型別的變數
長度144公分
Process finished with exit code 0
```

```
package Homework_CH1;

public class test_p39 {
    public static void main(String[] args) {
        int d = 2;
        double p1=1.14;

        System.out.println("長度*寬度=面積");
        System.out.println("長度*寬度=面積");

        int num1 = 5;
        int num2 = 4;

        double div1 = num1/num2;
        double div2 = (double)num1/(double)num2;

        System.out.println("5/4等於"+div1);
        System.out.println("5/4等於"+div2);
    }
}
```

Run: test_p39

Output:

```
長度144.5公分
指定int型別的變數
長度144公分
Process finished with exit code 0
```

心得:

我認為這次 Java 的 coding 練習是很有意義的，在課程結束之後很有可能不會再去觀看講義，導致學習的效率降低，但是藉由 HomeWork 的方式使

我們再一次複習到上課的內容，也可以熟悉 **Java** 語法的應用，可以說是一舉兩得相當好的辦法。