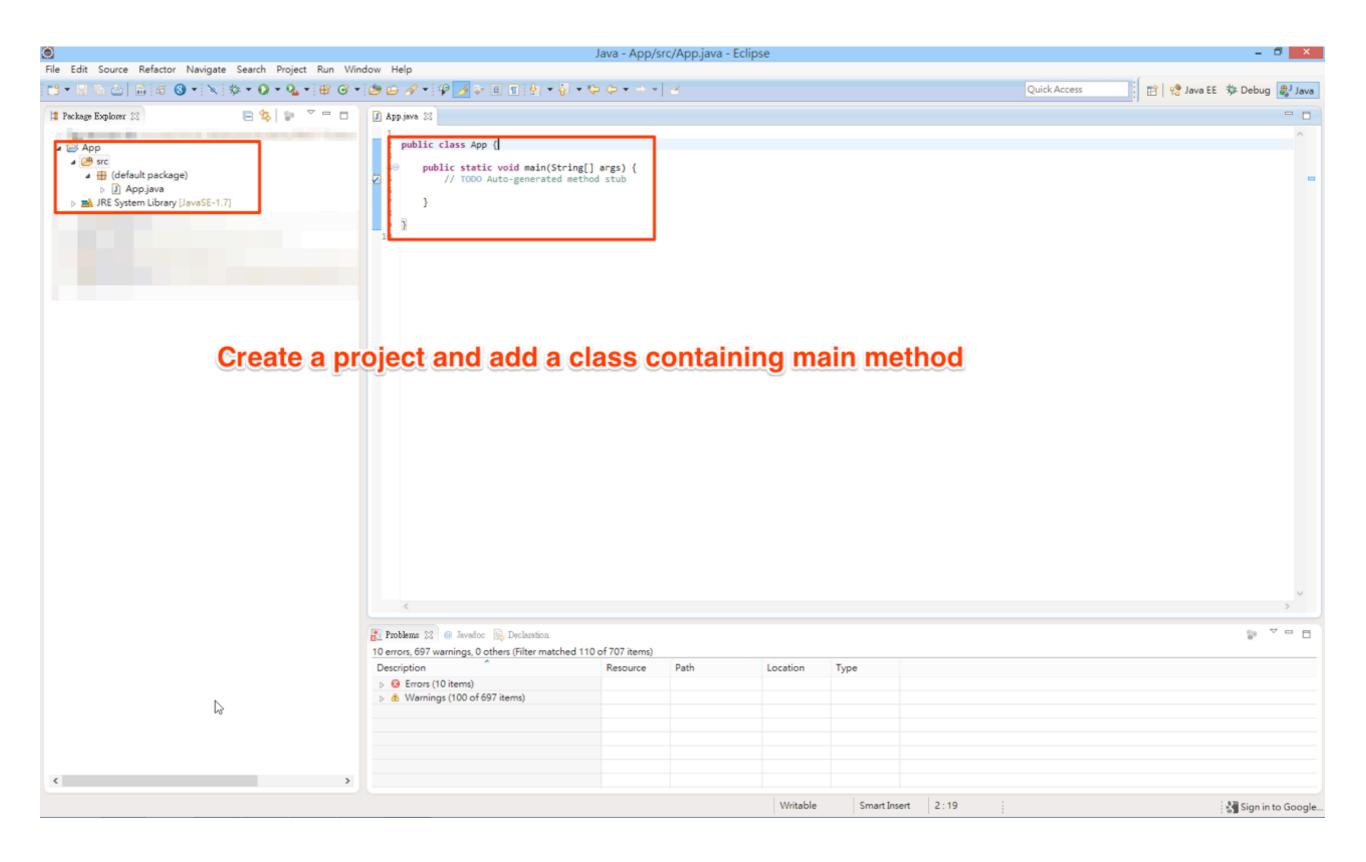
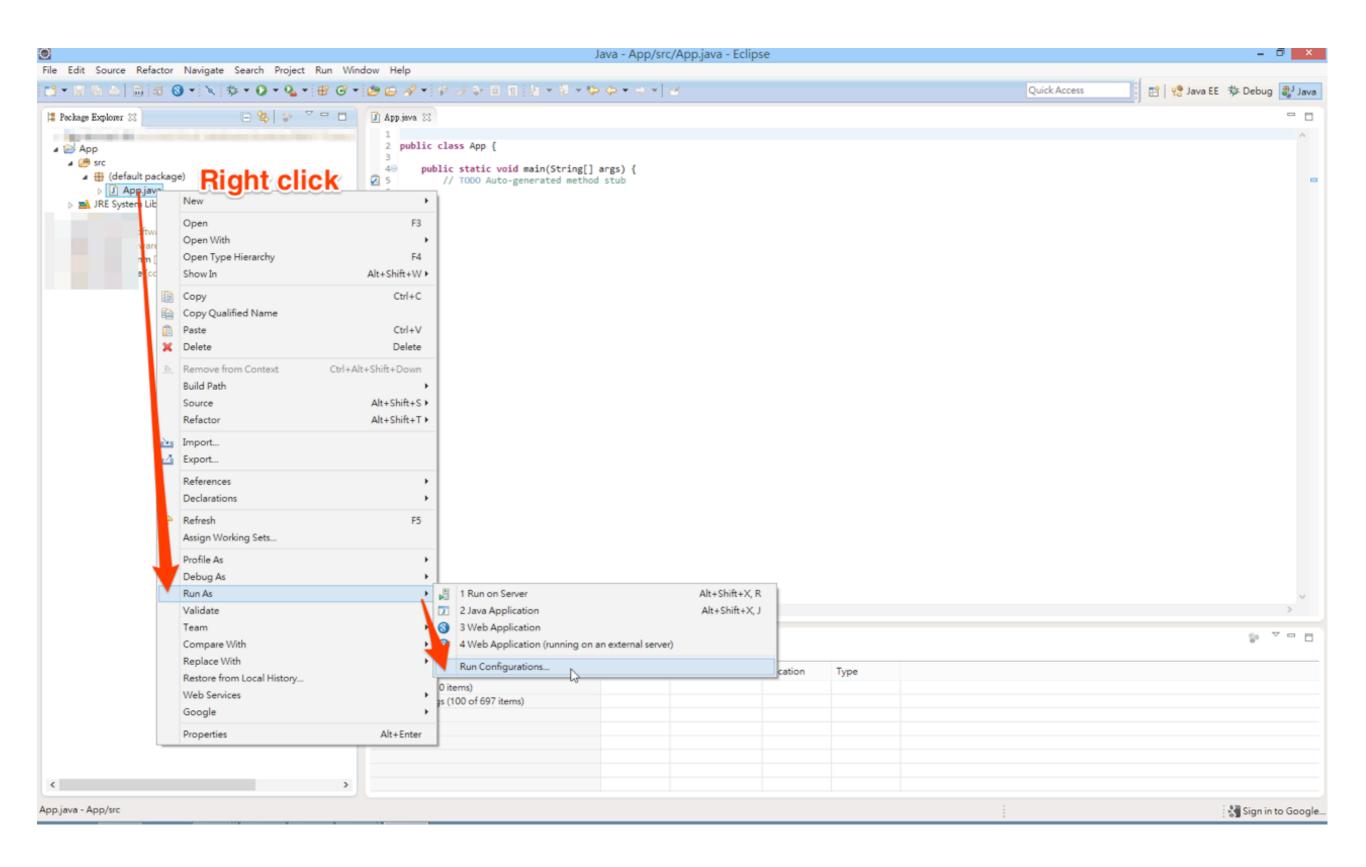
Lab 02 Reusing Projects

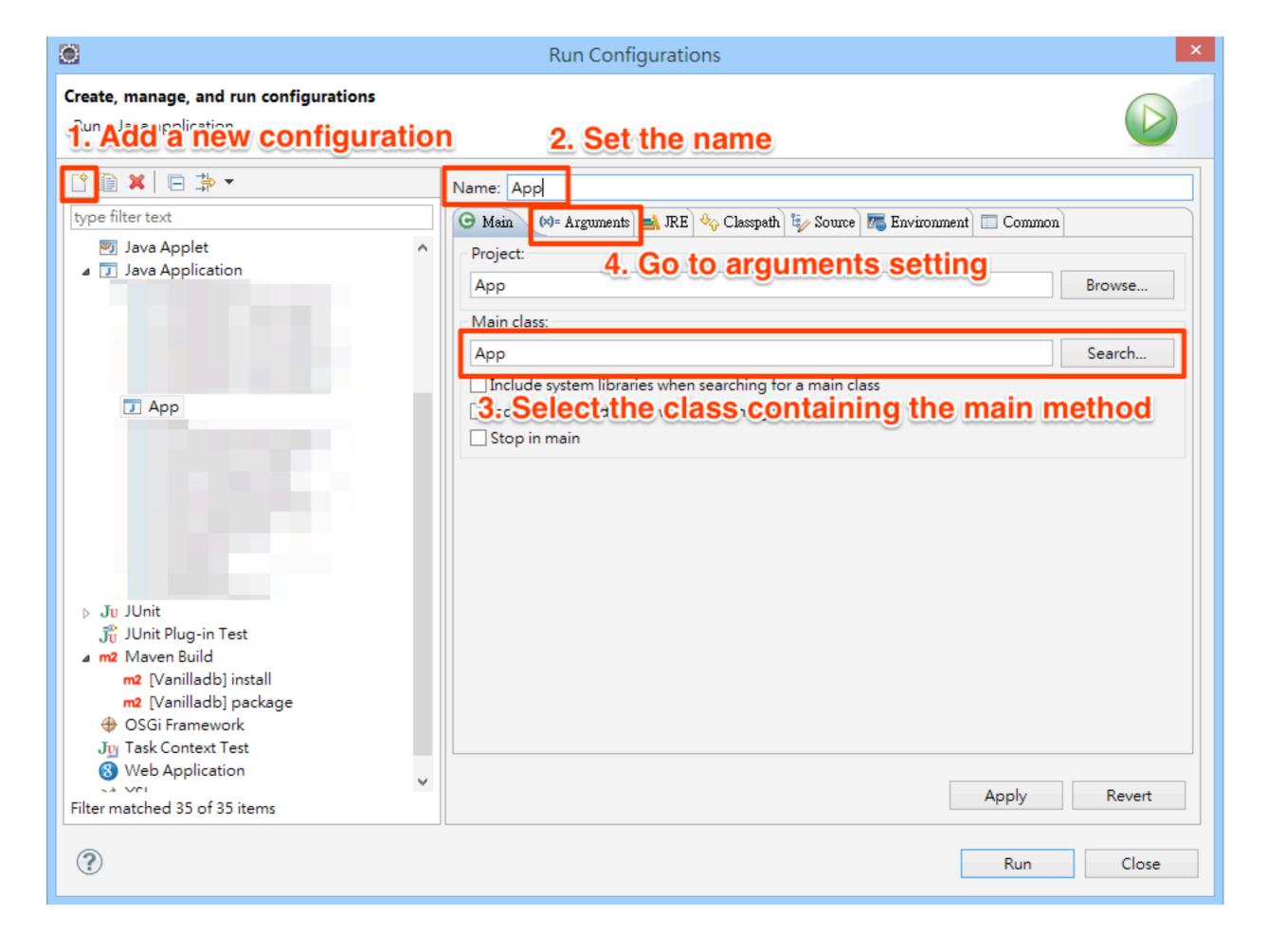
Software Studio NetDB, CS, NTHU Fall, 2013

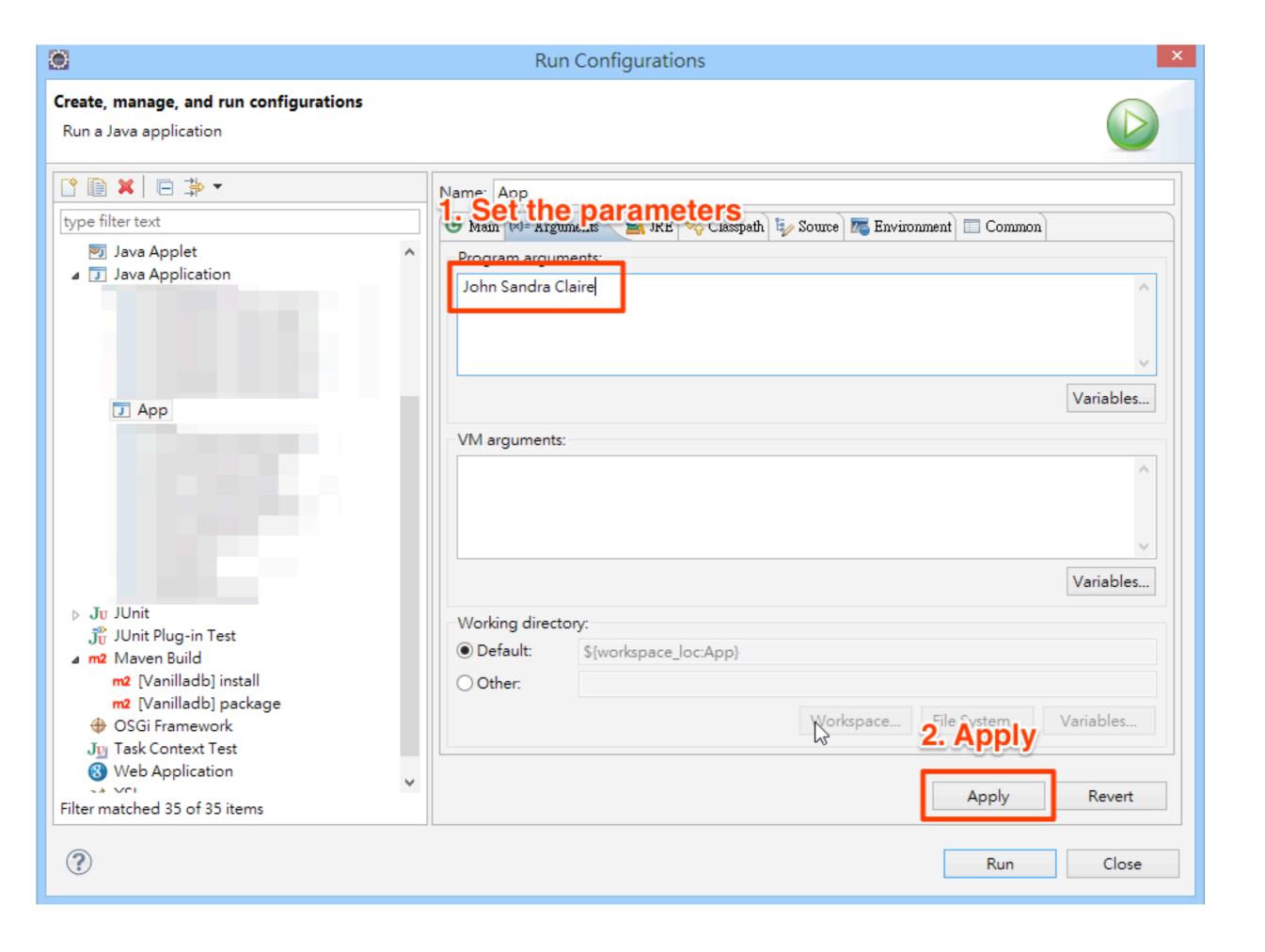
- Argument Passing in Eclipse
- Reusing Project
- Today's Mission

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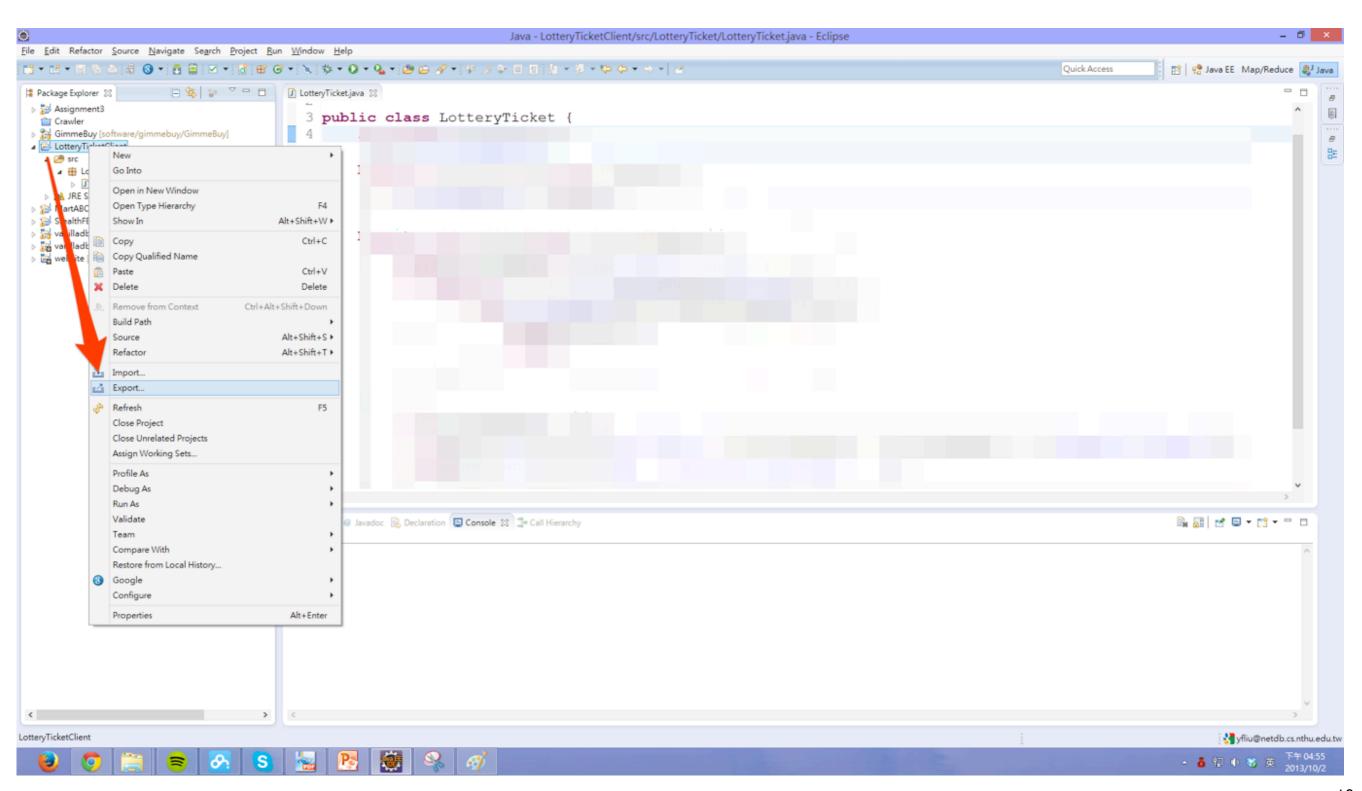


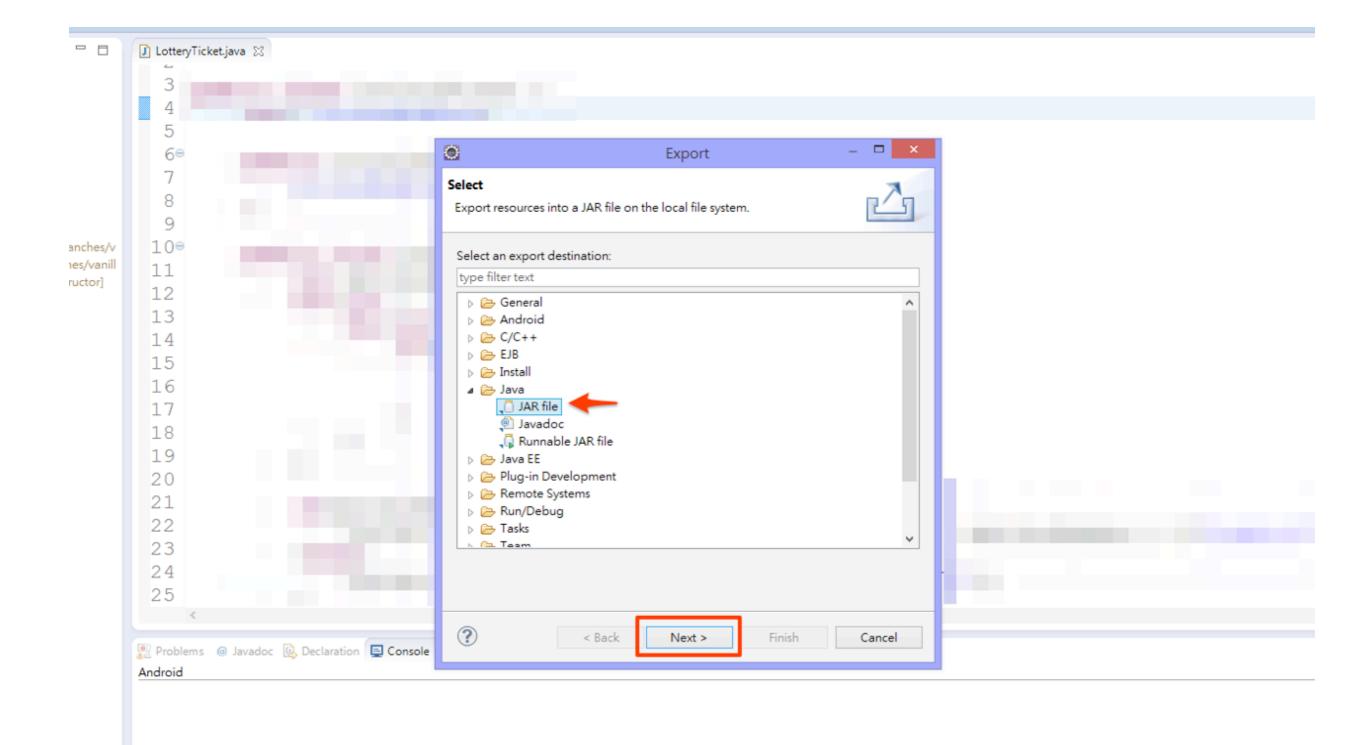
```
package netdb.Hello2;
 2
 3⊖ /**
    * Hello world!
 5
   public class App {
       public static void main(String[] args) {
            for (int i = 0; i < args.length; i++) {</pre>
 9
               System.out.println("Hello " + args[i]);
10
11
12
       }
13 }
14
```

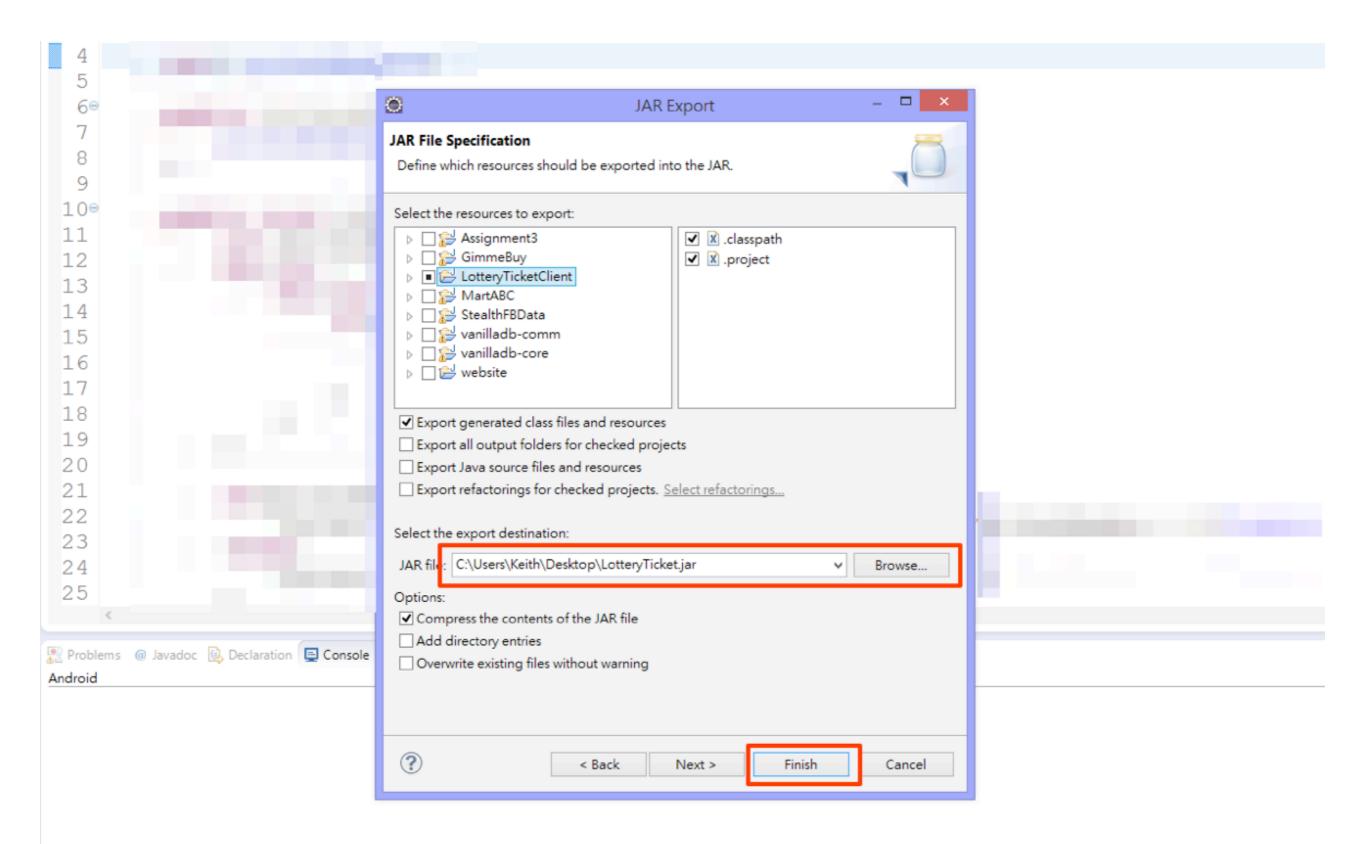
```
Markers Properties & Servers Data Source Explorer Snippets Console Stateminated > App [Java Application] C:\Program Files\Java\jdk1.7.0_03\bin\javaw.exe (Sep 26 Hello John Hello Sandra Hello Claire
```

- Argument Passing in Eclipse
- Reusing Project
- Today's Mission

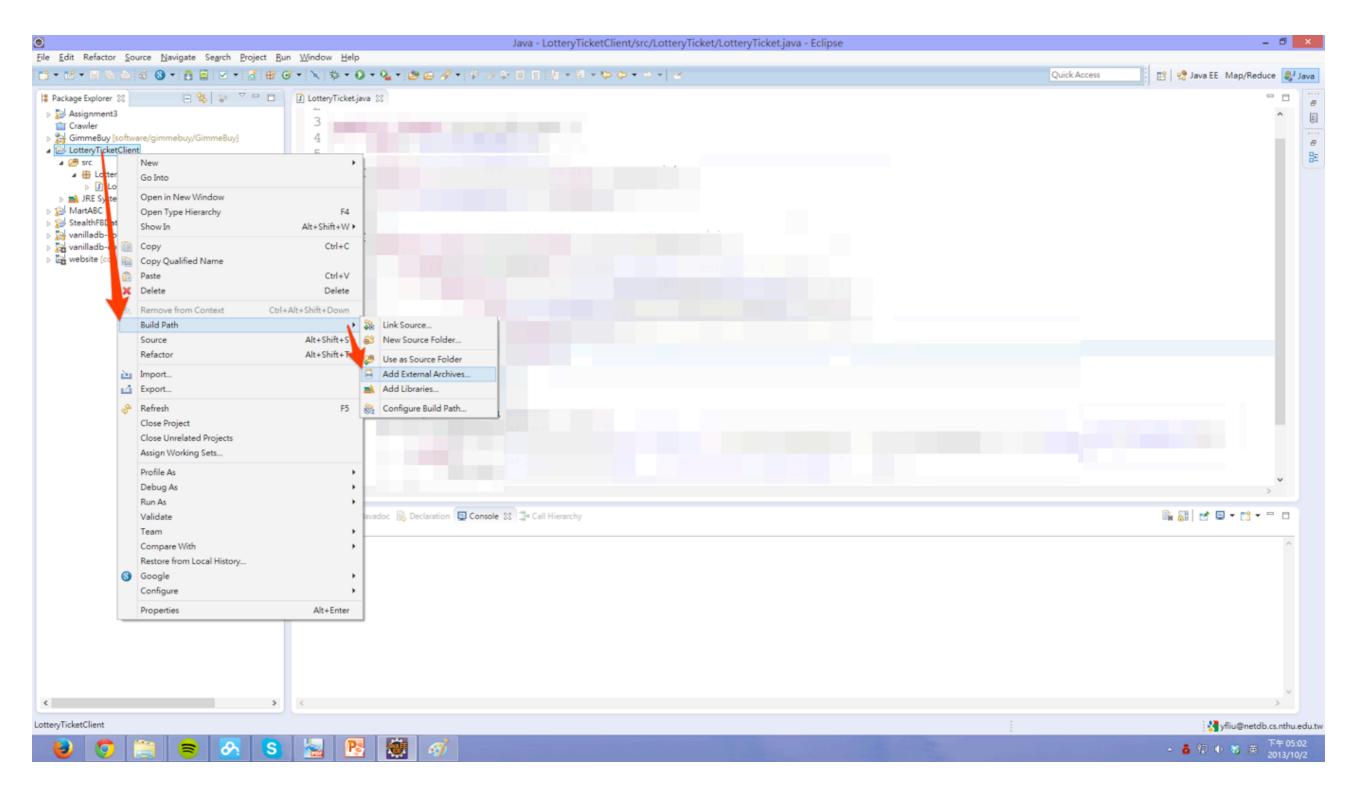
Export a .jar file







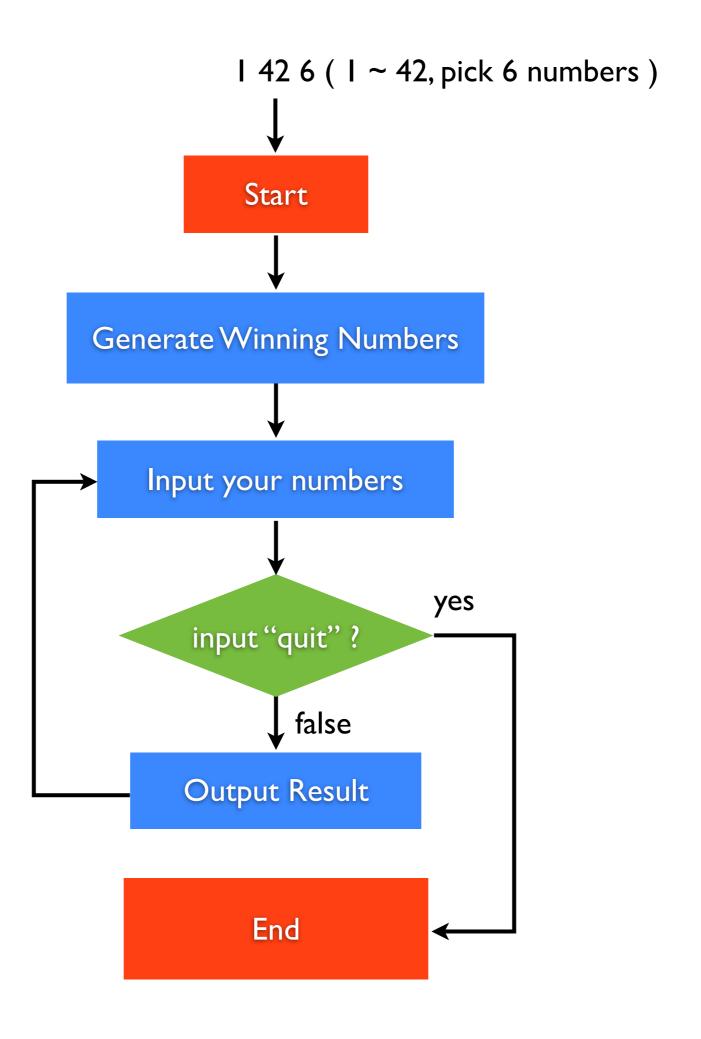
Add a .jar file



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Today's Mission

- Implementing a lottery system, with following steps:
 - Input 3 arguments to specify 'from', 'to' and 'count'(ex: 1 42 6)
 - Generate <count> random non-repeat integers as the winning numbers
 - Input <count> numbers and create a lottery ticket
 - Match your numbers with winning numbers and show the result (how many numbers are matched)



Rules

- 2 people per group
- You need to create 2 projects, <u>NumberGenerator</u> and <u>LotteryTicket</u>, and export them into .jar files
- Import your .jar files and modify the provided template to complete this task

NumberGenerator

+ generateWinningNumbers(from :

int, to : int, count : int) : int[]

LotteryTicket

- pickedNumbers : int[]

+ LotteryTicket(numbers : int[])

+ raffle(winningNumbers : int[])

To parse an integer from String:

```
int i = Integer.parseInt("1");
```

To create an integer array:

```
int[] intArray = new int[ARRAY_LENGTH];
```

For more information about array in Java, you can read this article.

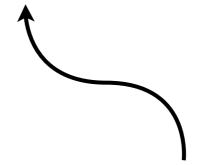
To split a String into a String array:

```
String[] tokens
= "Java made easy".split(" ");
*
```

It will return an array containing {"Java", "made", "easy"}

To generate random numbers

```
double randNum = Math.random();
```



It will return an random value 0.0 ~ 1.0

Remember to import the classes

```
import xxx.xxx.xxx;
```

Using Eclipse, you can use the hot key