

NTOU Java Programming Exercise 4



Exercise Goals

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- “this” keyword
- “super” keyword
- Constructor chain
- Overriding

Lab Requirement₁

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- Class “ConstructorTest” currently only prints the following results :
 1. 子類別不可縮小父類別方法的存取範圍
 4. 子類別的constructor會自動(或人為)呼叫父類別的constructor
 8. 可以用@Override清楚標示這個是一個overridden method
 10. 父子的類別不在同一個package，而子類別再宣告定義了父類別內的public method，是Override

Lab Requirement₂

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- Please add only a few lines starting with *this* or *super* (in addition to setting “package”) without deleting or modifying the current code, so that the output will be changed to:

1. 子類別不可縮小父類別方法的存取範圍
2. 父子類別的constructor沒有繼承關係
3. 任何類別的constructor可透過this呼叫同類別其他constructor
4. 子類別的constructor會自動(或人為)呼叫父類別的constructor
5. 子類別的constructor第一行僅能super或this擇一
6. 子類別重複宣告定義父類別的static method，不是override
7. 於子類別重新宣告定義父類別的private方法，不是Override
8. 可以用@Override清楚標示這個是一個overridden method
9. 父子的類別不在同一個package，而子類別再宣告定義了父類別內的package method，不是Override
10. 父子的類別不在同一個package，而子類別再宣告定義了父類別內的public method，是Override

Submission

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- ❑ The naming should conform to the **CamelCase** style.
- ❑ “Package” is required: `ntou.cs.java2024`.
- ❑ Please submit `.java` files and `.class` files (upload them to TronClass).
- ❑ Code that fails to compile or execute is not accepted.