**Entelect Dojo : Techniques for Refactoring and Effective Use of your IDE**

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| Exercise : 1 | Calculator class |
| Exercise : 2 | BankingService (Caclulator) class and unit tests |
| Exercise : 3 | BankAccount class and Subclasses |
| Exercise : 4 | BankingController class and unit tests |

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| Smell | Common Refactorings |
| Alternative Classes with  Different Interfaces | Rename Method, Move Method |
| Comments | Extract Method, Introduce Assertion |
| Data Class | Move Method, Encapsulate Field, Encapsulate Collection |
| Data Clumps | Extract Class, Introduce Parameter Object, Preserve Whole Object |
| Divergent Change | Extract Class |
| Duplicated Code | Extract Method, Extract Class, Pull Up Method, Form Template Method |
| Feature Envy | Move Method, Move Field, Extract Method |
| Inappropriate Intimacy | Move Method, Move Field, Change Bidirectional  Association to Unidirectional, Replace Inheritance with Delegation, Hide Delegate |
| Incomplete Library Class | Introduce Foreign Method, Introduce Local Extension |
| Large Class | Extract Class, Extract Subclass, Extract Interface, Replace Data Value with Object |
| Lazy Class | Inline Class, Collapse Hierarchy |
| Long Method | Extract Method, Replace Temp with Query, Replace Method  with Method Object, Decompose Conditional |
| Long Parameter List | Replace Parameter with Method, Introduce Parameter Object, Preserve Whole Object |
| Message Chains | Hide Delegate |
| Middle Man | Remove Middle Man, Inline Method, Replace Delegation with Inheritance |
| Parallel Inheritance  Hierarchies | Move Method, Move Field |
| Primitive Obsession | Replace Data Value with Object, Extract Class, Introduce Parameter Object, Replace Array with Object, Replace Type Code with Class, Replace Type Code with Subclasses,  Replace Type Code with State/Strategy |
| Refused Bequest | Replace Inheritance with Delegation |
| Shotgun Surgery | Move Method, Move Field, Inline Class |
| Speculative Generality | Collapse Hierarchy, Inline Class, Remove Parameter,  Rename Method |
| Switch Statements | Replace Conditional with Polymorphism, Replace Type Code with Subclasses, Replace Type Code with State/Strategy, Replace Parameter with Explicit Methods,  Introduce Null Object |
| Temporary Field | Extract Class, Introduce Null Object |