

**SAINT VINCENT COLLEGE OF CABUYAO**

***Bachelor of Science in Information Technology***

**LABORATORY MANUAL**

**PF101 – Object-Oriented Programming**

**Laboratory Exercise No. 3**

***Class Fields and Methods***

Submitted by:

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[Name]

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| **BSIT-2A2** |

[Section]

Submitted to:

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| **Prof. Apollo Neil R. Duran** |

[Name of Instructor/Professor]

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**GRADE**

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[Date]



***Laboratory Exercise No. 3***

**Class Fields and Methods**

1. OBJECTIVES

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| **At the end of the exercise, the students are expected to:**   * **Declare instance variables in a program** * **Use class fields in a program** * **Create a method in a program** |

1. EQUIPMENT/ MATERIALS

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| **The following equipment or materials will be needed to perform the laboratory exercise:**   * **PC with Java Compiler and IDE (Eclipse, NetBeans, jGrasp, etc.)** * **Internet Connection for Online Java Compiler/Editor and Submission** * **USB for backup and file storage** |

1. PROCEDURE/ DISCUSSION

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| **Laboratory Work No. 1**  From the given image below, create your own Java program to illustrate a class named Dog.java that will contain the given set of class fields. A class method of the Dog class named *“ShowDetails()”* will be called inside the main method through an object of the Dog class named *“Rayne”* in order to print the all the contents of the class fields of the object in the console window. A separate class named *“Main.java”* must contain the main() method that will execute the code. |

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| **Laboratory Work No. 2**  Construct a Java program named PF101LabExer3-2.java whose main() methods must hold two integer variables. Then, assign a value to the variables. Pass both variables to methods named sum() and difference(); these compute the sum and difference between the values of two arguments, respectively. Each method should perform the appropriate computation and display the results. |

1. **DATA REPRESENTATION/ OUTPUT PICTURES**

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| ***(… put your program coding or screenshots of code of Laboratory Work No.***  ***1 and 2 here)*** |

1. RESULTS INTERPRETATION/ OBSERVATION

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| ***(… explain the answer for Laboratory Work No. 1 and 2 here)*** |

1. CONCLUSIONS

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| ***(… write your narrative of Laboratory Work No. 1 and 2 here)*** |

1. STUDENT OUTCOMES ADDRESSED

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| ***(… to fill out by your instructor)*** |

1. APPENDICES
   1. RUBRICS AND SCORING

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| ***(… kindly refer to rubrics and scoring provided)*** |