**Object Oriented Programming: Review of Concepts on Mid-semester Exam**

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| **Mid-sem exam Question** | **Concept** | **Where & when did you learn the concept?** | **Where & when did you practice the concept** | **Where & when did you review the concept?** |
| 1 | **Basic computation in Java** (input, modulus, increment etc.) | Week 1 of class  Chapter 2 (Basic computation) | Lab 1  Assignment 1 | Week 6 in-class Quiz Prob 2  Canvas quiz Q10, Q11 |
| 1 | **Flow of control** (Branches and Loops) | Week 2 of class  Chapter 3 (Branching)  Chapter 4 (Loops) | Lab 1  Lab 2  Assignment 1 | Week 6 in-class Quiz Prob 2  Canvas quiz Q4, Q9, Q10, Q11, Q16, Q17, Q18, Q19, Q20 |
| 2 | **Classes and Objects** (defining classes, instance variables, constructors, equals method, method overloading) | Week 3 – 5 of class  Chapter 5 (Defining classes and methods)  Chapter 6 (More about objects and methods) | Lab 2  Assignment 2 | Week 6 in-class Quiz Prob 3  Canvas quiz Q8  Canvas quiz Q12  Canvas quiz Q22 |
| 3 | **Classes & objects** (instance variables vs local variables, static versus not static, instantiating objects, equality of reference types)  **Arrays** (instantiating) | Week 3 – 6 of class  Chapter 5 (Defining classes and methods)  Chapter 6 (More about objects and methods)  Chapter 7 (Arrays) | Assignment 2  Assignment 3 | Week 6 in-class Quiz Prob 2  Canvas quiz Q6  Canvas quiz Q14  Canvas quiz Q15 |
| 4 | **Classes & objects** (keyword this, defining methods)  **Flow of control** (loops & branches)  **Basic computation** (comparison, increment, logical operators)  **Arrays** (instantiating, traversing) | Weeks 1 – 7 of class  Chapters 1 - 7 | Assignment 2  Assignment 3 | Week 6 in-class Quiz Prob 1  Canvas quiz Q7 |