**Spring Labs**

**Q1.**

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| After completing the hands-on exercises, you will be able to:   * Create sample application using IoC principle |

**Problem Statement:**

1. Create a bean user having following fields and inject this bean using IoC:

q private Integer userId;

q private String firstName;

q private String lastName;

q private String active;

**Deliverables Expected:**

Submit a document containing sample program and unit test for the earlier program.

**Q2.**

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| After completing the hands-on exercises, you will be able to:   * Inject dependency using IoC principle |

**Problem Statement:**

q Create UserDao class, inject user as dependency, and inject this bean using Spring IoC.

**Deliverables Expected:**

Submit a document containing the sample program.

**Q3.**

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| After completing the hands-on exercises, you will be able to:   * Configure XML file to configure beans |

**Problem Statement:**

Create UserDao class, UserService class, and configure application XML file to inject this beans using Spring IoC.

**Deliverables Expected:**

Submit a document containing sample program.

**Q4.**

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| After completing the hands-on exercises, you will be able to:   * Configure Application resource file |

**Problem Statement:**

Create UserDao class and inject user as dependency and load its default user values from application.xml and inject this bean using Spring IoC. Using reference add user service which will refer to UserDao object. Use ResourceBundleMessageSource for messages

**Deliverables Expected:**

Submit a document containing the sample program

**Q5.**

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| After completing the hands-on exercises, you will be able to:   * Test your code |

**Problem Statement:**

Test your UserService using Junit.

**Deliverables Expected:**

Submit a document containing the unit test program.