

1. Use @Autowire annotation to do the autowiring in Questions – 5 of Day 2 and explain with the help of code how autowiring is resolved in case of annotations.
2. Use Java Configuration to re-create the Questions 1, 2 of Spring Day-1 and Question – 2, 3 of Spring Day-2.
3. Show the use of @ComponentScan annotation with the help of a demo code and explain about the different Annotations like @Component, @Service and @Repository using the comments.
4. Develop a Spring Core Application to perform the following actions on the Customer object.
 - a. boolean registerCustomer(Customer c)

The condition to register a customer is that the age of the customer must be greater than 21.
 - b. boolean updateCustomer(Customer c)
 - c. boolean deleteCustomer(int customerId)
 - d. Customer getCustomer(int customerId) throws CustomerNotFoundException
By giving the Customer Id, the customer is searched in database. If found returns the object otherwise returns CustomerNotFoundException
 - e. List<Customer> getAllCustomers()
 - f. List<Customer> getCustomersByName(String custName)

Important Points:

1. The user input will be accepted in the Presentation Layer, and all the methods mentioned above are present in Service Layer.
2. Use the Customer table already existing in the database created during SQL-Day1. The application must be properly layered with the Presentation layer, Service layer and the database layer. Use JDBC to connect with Database.
3. Use Java Configuration and ComponentScan, Autowired, Component, Service, Repository annotations to complete the application.