

Exercise 5: Configuring the Spring IoC Container

Objective: Configure Spring IoC container using both XML and Java config.

Solution:

XML Configuration:

```
xml
<!-- applicationContext.xml -->
<beans>
    <bean id="dataSource" class="com.example.BasicDataSource">
        <property name="url" value="jdbc:mysql://localhost:3306/mydb"/>
    </bean>
</beans>
```

Java Configuration:

```
java
@Configuration
public class AppConfig {
    @Bean
    public DataSource dataSource() {
        BasicDataSource ds = new BasicDataSource();
        ds.setUrl("jdbc:mysql://localhost:3306/mydb");
        return ds;
    }
}
```

Usage:

```
java
// For XML config
ApplicationContext context = new
ClassPathXmlApplicationContext("applicationContext.xml");

// For Java config
ApplicationContext context = new
AnnotationConfigApplicationContext(AppConfig.class);
```