```
PRACT-9B
Location: /src/main/resources
appctx.xml
<?xml version="1.0" encoding="UTF-8"?>
<beans xmlns="http://www.springframework.org/schema/beans"</pre>
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:schemaLocation="http://www.springframework.org/schema/beans
               http://www.springframework.org/schema/beans/spring-beans.xsd">
  <bean id="ds" class="org.springframework.jdbc.datasource.DriverManagerDataSource">
    cproperty name="driverClassName" value="com.mysql.cj.jdbc.Driver" />
    cproperty name="url" value="jdbc:mysql://localhost:3306/spring_test" />
    cproperty name="username" value="root" />
    property name="password" value="Root@123" />
  </bean>
  <bean id="jdbcTemplate" class="org.springframework.jdbc.core.JdbcTemplate">
    cproperty name="dataSource" ref="ds" />
  </bean>
  <bean id="moviebean" class="org.viva.MoviesDao">
    property name="jdbcTemplate" />
  </bean>
</beans>
Location: /src/main/java - create 3 class
1)package org.viva;
public class Movies {
       int mid;
       String title;
       String actor;
       public Movies(int mid, String title, String actor) {
             super();
             this.mid = mid;
             this.title = title;
```

```
this.actor = actor;
}
/**
* @return the mid
public int getMid() {
        return mid;
}
 * @param mid the mid to set
public void setMid(int mid) {
        this.mid = mid;
}
/**
* @return the title
public String getTitle() {
        return title;
}
/**
* @param title the title to set
public void setTitle(String title) {
        this.title = title;
}
* @return the actor
public String getActor() {
        return actor;
}
* @param actor the actor to set
public void setActor(String actor) {
        this.actor = actor;
}
```

```
2)package org.viva;
import org.springframework.jdbc.core.JdbcTemplate;
public class MoviesDao {
       private JdbcTemplate jdbcTemplate;
//Getter method for jdbcTemplate
       public JdbcTemplate getJdbcTemplate() {
              return jdbcTemplate;
       }
//Setter method for jdbcTemplate
       public void setJdbcTemplate(JdbcTemplate idbcTemplate) {
              this.jdbcTemplate = jdbcTemplate;
       }
//Method to insert movie record into the database
       public int insMovie(Movies m1) {
//Use parameterized SQL to avoid SQL injection
              String insSql = "INSERT INTO mymovies (mid, title, actor) VALUES (?, ?, ?)";
//Use jdbcTemplate's update method with parameters to safely insert data
              return jdbcTemplate.update(insSql, m1.getMid(), m1.getTitle(), m1.getActor());
       }
}
3)package org.viva;
import org.springframework.context.support.ClassPathXmlApplicationContext;
public class MoviesTest {
       public static void main(String[] args) {
// TODO Auto-generated method stub
              ClassPathXmlApplicationContext appCon = new
ClassPathXmlApplicationContext("appctx.xml");
              MoviesDao m1 = (MoviesDao) appCon.getBean("moviebean");
              Movies t1 = new Movies(1, "A Beautiful Mind", "Russel Crow");
              System.out.println(m1.insMovie(t1));
       }
}
```

```
Pom.xml
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xsi:schemaLocation="http://maven.apache.org/POM/4.0.0
https://maven.apache.org/xsd/maven-4.0.0.xsd">
      <modelVersion>4.0.0</modelVersion>
      <groupId>com.project</groupId>
      <artifactId>Demo3</artifactId>
      <version>0.0.1-SNAPSHOT</version>
      <dependencies>
             <dependency>
                    <groupId>org.springframework</groupId>
                    <artifactId>spring-context</artifactId>
                    <version>5.3.10<version> <!-- Check for the latest version -->
             </dependency>
             <!-- https://mvnrepository.com/artifact/org.springframework/spring-jdbc -->
             <dependency>
                    <groupId>org.springframework</groupId>
                    <artifactId>spring-jdbc</artifactId>
                    <version>5.3.29</version>
             </dependency>
             <dependency>
                    <groupId>mysql</groupId>
                    <artifactId>mysgl-connector-java</artifactId>
                    <version>8.0.33</version>
             </dependency>
      </dependencies>
      <build>
             <plugins>
                    <plugin>
                           <groupId>org.apache.maven.plugins</groupId>
                           <artifactId>maven-compiler-plugin</artifactId>
                           <version>3.8.1</version>
                           <configuration>
                                 <source>1.8</source>
                                 <target>1.8</target>
                           </configuration>
                    </plugin>
```

</plugins>
</build>
</project>