Spring Professional Exam Tutorial v5.0

Question 11

Question 11 - What properties do you have to define in order to configure external MySQL?

To configure external MySQL in Spring Boot you need to specify `URL`, `Username` and `Password` for `Data Source` by defining following properties:

```
spring.datasource.url=jdbc:mysql://localhost:3306/spring-tutorial
spring.datasource.username=spring-tutorial
spring.datasource.password=spring-tutorial
```

Optionally, you can also explicitly specify JDBC Driver:

```
spring.datasource.driver-class-name=com.mysql.cj.jdbc.Driver
```

To initialize Database during application startup via `data.sql` and `schema.sql` you also need to specify property:

```
spring.datasource.initialization-mode=always
```

You also need to specify connector dependency:

```xml
<dependency>
    <groupId>mysql</groupId>
    <artifactId>mysql-connector-java</artifactId>
</dependency>
```

You will also need a way to access database, simplest approach is to use JDBC:

```xml
<dependency>
    <groupId>org.springframework.boot</groupId>
    <artifactId>spring-boot-starter-data-jdbc</artifactId>
</dependency>
```