

# Spring Boot Input Files

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<https://www.facebook.com/groups/thejavatemple/>

=> If we are using Spring f/w, then Programmer has to

- a. Define Spring Configuration code (XML/Java..)
- b. Programmer has to give inputs to config code

=> Coming to Spring boot, it takes care of Define Spring Configuration code (AutoConfiguration)

But here, programmer you need to provide inputs

=> Inputs?? 2 files (key=val)

- a. application.properties
- b. application.yml

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<https://docs.spring.io/spring-boot/docs/current/reference/html/appendix-application-properties.html#transaction-properties>

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\*\* To load properties file into Spring container code in Spring f/w

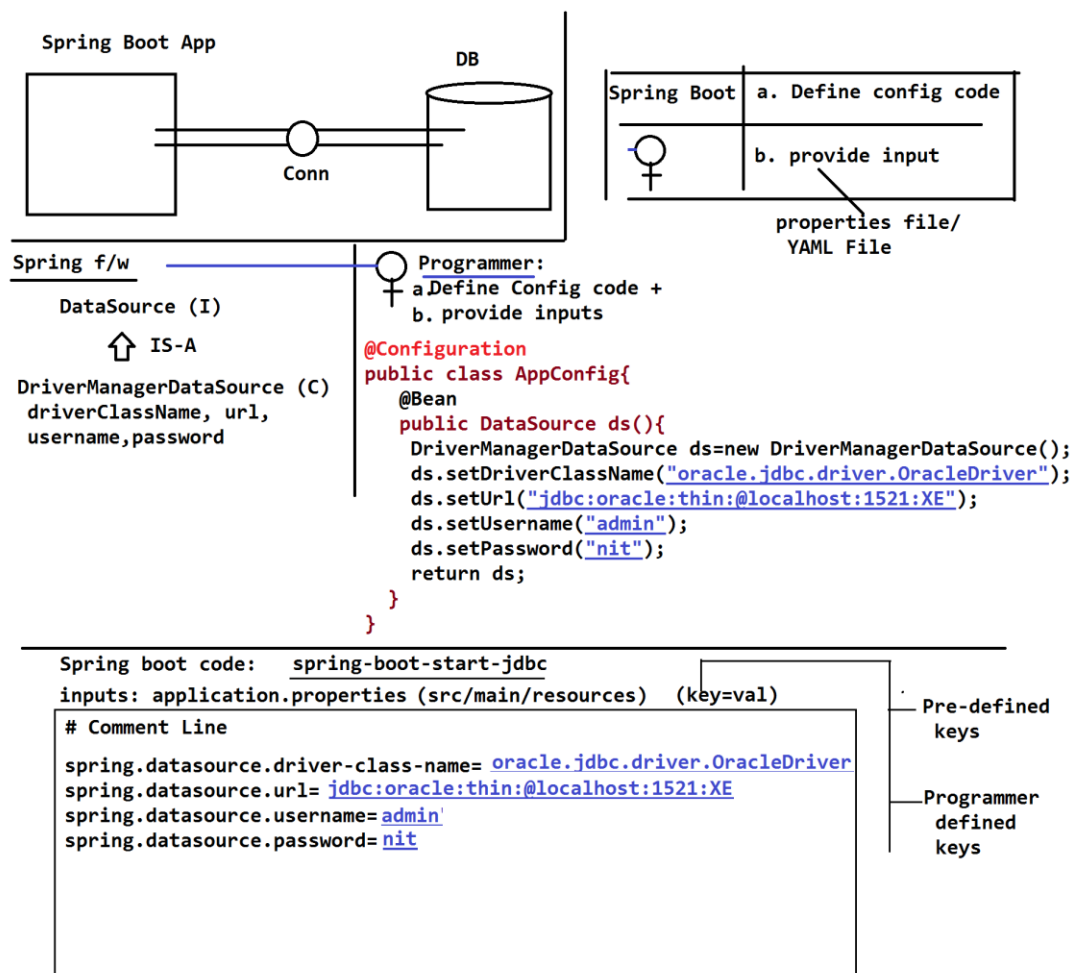
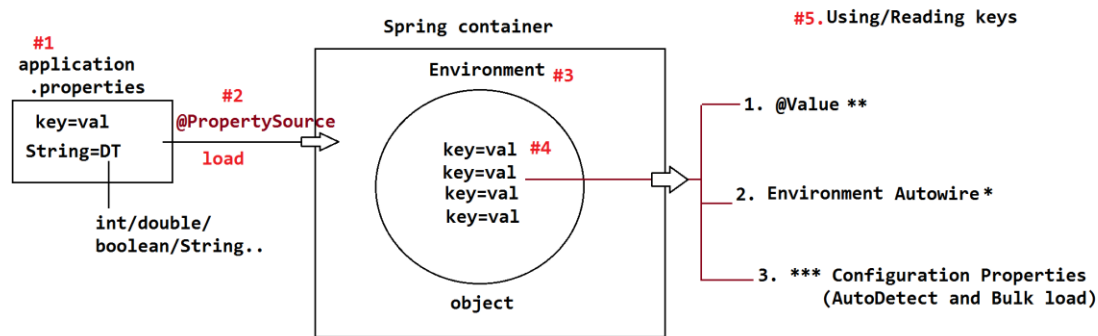
@PropertySource("classpath:application.properties").

In Spring boot also same code but written by boot only.

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Note:

- a. all keys must be placed inside application.properties which is under src/main/resources(classpath)
- b. key is String type, value can be any type like int/double/string/boolean..etc
- c. Properties file is loaded by using code like:  
@PropertySource("classpath:application.properties") by Spring boot only.
- d. Spring container creates object to Environment(I) where Impl class is StandardEnvironment(C) for normal programming. Unit Testing object is MockEnvironment(C).
- e. To read these keys in our application, we use code types
  - i. @Value

- ii. Environment object autowired
- iii. \*\*\* Configuration Properties(bulk load)



-----code-----  
application.properties  
#Hello from properties  
app.title=SAMPLE ONE  
app.version=1.0

app.active=true

Runner class code:

```
package in.nit.runner;
```

```
import org.springframework.beans.factory.annotation.Value;
```

```
import org.springframework.boot.CommandLineRunner;
```

```
import org.springframework.stereotype.Component;
```

```
@Component
```

```
public class InputReadRunner
```

```
    implements CommandLineRunner
```

```
{
```

```
    //@Value("${key}")
```

```
    @Value("${app.title}")
```

```
    private String title;
```

```
    @Value("${app.version}")
```

```
    private double ver;
```

```
    @Value("${app.active}")
```

```
    private boolean active;
```

```
    @Override
```

```
    public void run(String... args) throws Exception {
```

```
        System.out.println("from runner: " + title + "-  
"+ver+"-"+active);
```

```
    }
```

```
}
```