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Spring Boot 7AM

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Spring Java Based Configuration

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

Youtube Playlist:

https://www.youtube.com/watch?v=EA43S5R8LSc&list=PLVlQHNRLflP9XSWeY4x4FLwnL3UOIxnTr

\*) Java Based Configuration mainly used for Pre-defined classes, but it also supports

Programmer defined classes even (any type of class).

\*) By taking Java Based Configuration (Any configuration), Spring container creates object.

--Java Based Configuration--------

1. write one public class with any name

2. Apply @Configuration over class [@Configuration = input to Spring container]

3. No.of Methods = No.of Objects created

4. Apply @Bean over method [@Bean = create one object ]

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@Configuration

public class <AnyConfigClassName> {

@Bean

public <ClassName> <objectName>() {

Object creation logic

set data

return object;

}

}

\*) An object created in Spring container, can be accessed any where in application.

[either using getBean() or Autowired]

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#1. Create one Starter Project

Name : SpringBoot2JavaConfig

Packag : in.nareshit.raghu

#2. Spring Bean

package in.nareshit.raghu;

public class EmpExport {

private Integer code;

private String name;

// > source > Generate getters and setters > select All > Generate

public Integer getCode() {

return code;

}

public void setCode(Integer code) {

this.code = code;

}

public String getName() {

return name;

}

public void setName(String name) {

this.name = name;

}

// > source > Generate toString > Generate

@Override

public String toString() {

return "EmpExport [code=" + code + ", name=" + name + "]";

}

}

#3. Spring Config File

package in.nareshit.raghu.config;

import org.springframework.context.annotation.Bean;

import org.springframework.context.annotation.Configuration;

import in.nareshit.raghu.EmpExport;

@Configuration

public class AppConfig {

@Bean

public EmpExport eob() {

EmpExport e = new EmpExport();

e.setCode(550);

e.setName("ABC");

return e;

}

}

#4. Modified Main class

package in.nareshit.raghu;

import org.springframework.boot.SpringApplication;

import org.springframework.boot.autoconfigure.SpringBootApplication;

import org.springframework.context.ApplicationContext;

@SpringBootApplication

public class SpringBoot2JavaConfigExOneApplication {

public static void main(String[] args) {

ApplicationContext ac = SpringApplication.run(

SpringBoot2JavaConfigExOneApplication.class, args);

EmpExport e = ac.getBean("eob",EmpExport.class);

System.out.println(e);

}

}

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