

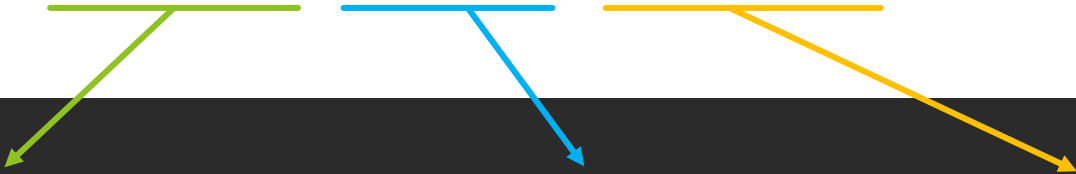
Spring Professional Exam Tutorial v5.0

Question 07

Question 07 - What is @RequestParam used for?

@RequestParam is used to bind web request parameters to controller method parameter.

/index?name=John&city=NYC&country=US



```
@GetMapping("/index")
public String index(@RequestParam("name") String name, @RequestParam("city") String city, @RequestParam("country") String country) {
    ...
}
```

Because Servlet API combines query parameters and form data into a single parameters map, it is possible to use @RequestParam annotation to map:

- ▶ query parameters
- ▶ form data
- ▶ parts in multipart requests

Question 07 - What is @RequestParam used for?

@RequestParam allows you to specify following parameters:

- ▶ `name` - the name of request parameter to bind
- ▶ `required` - whether the parameter is required or not
 - ▶ by default parameter is required and in case of it being absent exception will be thrown
 - ▶ If switched to false, in case of parameter being absent null value will be provided or value pointed out by `defaultValue` property
- ▶ `defaultValue` - allows you to specify default value to use in case of absence of optional parameter

@RequestParam annotation also supports Java 8 `Optional`, so following will be equal:

```
@RequestParam(value = "city", required = false) String city
```




```
@RequestParam(value = "city") Optional<String> city
```

Question 07 - What is @RequestParam used for?

@RequestParam also supports additional use cases, like:

- Mapping all request parameters to Map


/index?name=John&city=NYC&country=US



```
@GetMapping("/index")
public String index(@RequestParam Map<String, String> parameters) {
    ...
}
```

- Mapping all values to List

/index?cities=1,2,3



```
@GetMapping("/index")
public String index(@RequestParam("cities") List<String> cities) {
    ...
}
```

