Spring Professional Exam Tutorial v5.0 Question 09

Question 09 - What does @RequestMapping do?

@RequestMapping allows you to specify conditions that request has to match for a method to be used as request handler. @RequestMapping can be used at class or method level, when used at the class level, all method level mappings inherit this primary mapping, narrowing it to a specific handler method.

For example, below controllers are supposed to map GET /say/hello requests, even though request mapping is defined differently, all are equal.

Question 09 - What does @RequestMapping do?

@RequestMapping annotation allows you to specify following criteria for request:

- path uri path/paths for request, for example /api/books
- method supported HTTP method/methods: GET, POST, HEAD, OPTIONS, PUT, PATCH, DELETE, TRACE
- params required parameters of request, for example key1=value1, key2!=value2, key1, !key1
- headers header needs to match specified condition, for example header1=value1, header2!=value2, header1, !header1, content-type=text/*
- consumes media types that can be consumed by request, for example application/json
- produces media types that are produced by method handling the request, for example application/pdf

Question 09 - What does @RequestMapping do?

Spring also supports composed annotations for request mapping:

- ▶ @GetMapping
- @PostMapping
- ▶ @PutMapping
- @PatchMapping
- @DeleteMapping

Each of those annotations allows you to specify same conditions as @RequestMapping except for HTTP method field, following fields in @*Mapping are aliases to @RequestMapping: path, params, headers, consumes, produces.

In most of the cases it is possible to translate mappings between those annotations, one example when this is not possible is when creating HTTP HEAD request mapping.

