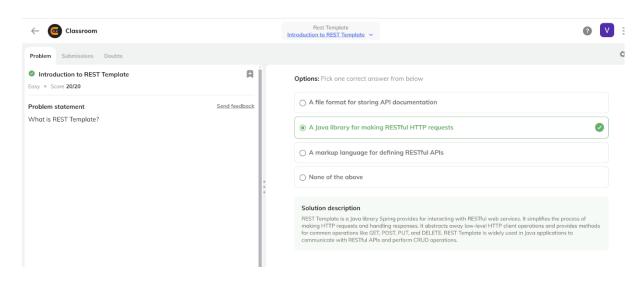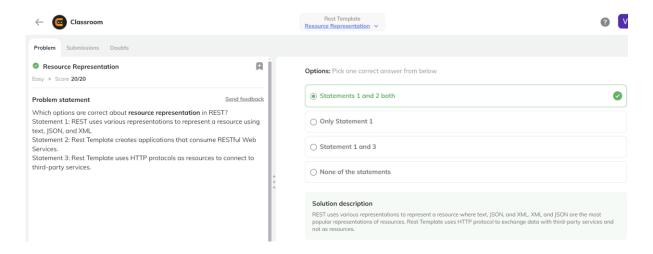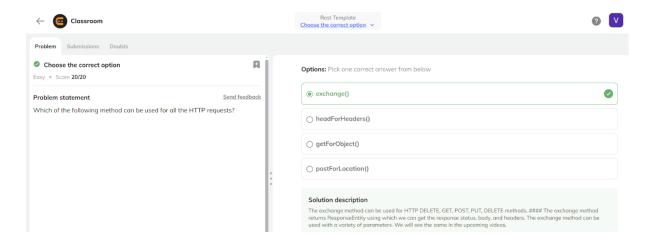# Quiz Questions

(1) Introduction to REST Template
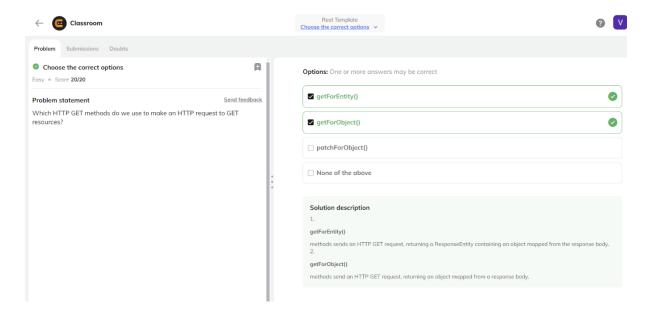

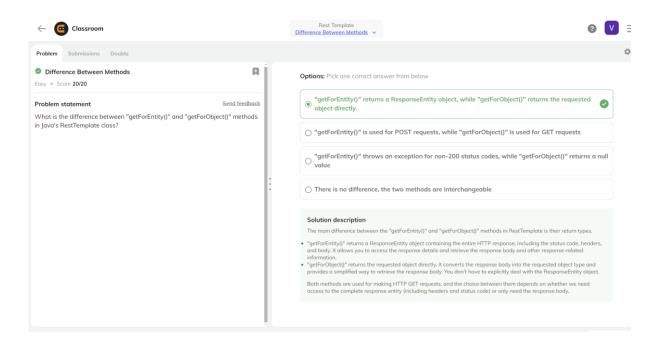## (2) Resource Representation

(3) Choose the correct options
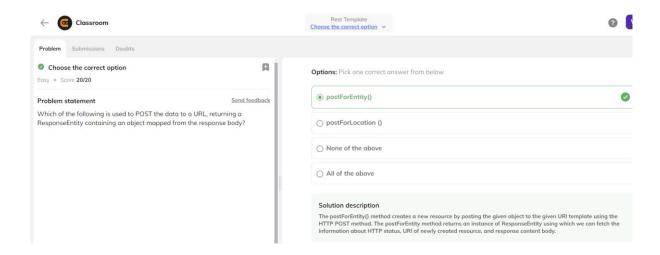
(4) Choose the correct options

(5) Difference between methods

(6) Choose the correct option

Rest Template
Choose the correct option ⌄

Classroom

Problem | Submissions | Doubts

✓ Choose the correct option
Easy • Score **20/20**

Problem statement   Send feedback

Which of the following is used to POST the data to a URL, returning a ResponseEntity containing an object mapped from the response body?

Options: Pick one correct answer from below

◉ postForEntity()   ✓

◯ postForLocation ()

◯ None of the above

◯ All of the above

Solution description
The postForEntity() method creates a new resource by posting the given object to the given URI template using the HTTP POST method. The postForEntity method returns an instance of ResponseEntity using which we can fetch the information about HTTP status, URI of newly created resource, and response content body.

(7) Choose the correct option

Rest Template
Choose the correct option ⌄

Classroom

Problem | Submissions | Doubts

✓ Choose the correct option
Easy • Score **20/20**

Problem statement   Send feedback

Which of the following is used to POST data to a URL, returning an object mapped from the response body?

Options: Pick one correct answer from below

◯ postForEntity()

◯ postForLocation()

◉ postForObject()   ✓

◯ None of the above

◯ All of the above

(8) Update Resources

Rest Template
Update resources ⌄

Classroom

Problem | Submissions | Doubts

✓ Update Resources
Easy • Score **20/20**

Problem statement   Send feedback

Which of the following HTTP methods can we use to make an HTTP request to Update resources?

Options: One or more answers may be correct

☑ exchange()   ✓

☑ put()   ✓

☐ patchForObject()

☐ None of the Above

(9) PUT Request

Classroom

Problem | Submissions | Doubts

✓ **PUT request**
Easy • Score **20/20**

Problem statement Send feedback

A developer works on a RESTful web application connected to a third party for storing blogs. He wants to update a blog with a given ID. Choose the correct way to make a PUT request with RestTemplate class.

```
HttpEntity<Object> request = new HttpEntity<>(new Object());
ResponseEntity<Object> response =
restTemplate.exchange("http://localhost:8080/blog/update", HttpMethod.PUT,
request, Object.class);
```

```
HttpEntity<Object> request = new HttpEntity<>(new Object());
ResponseEntity<Object> response =
restTemplate.postForEntity("http://localhost:8080/blog/update", request, Object.class);
```

```
HttpEntity<Object> request = new HttpEntity<>(new Object());
ResponseEntity<Object> response = restTemplate.put("http://localhost:8080/blog/update",
request, Object.class);
```

```
HttpEntity<Object> request = new HttpEntity<>(new Object());
ResponseEntity<Object> response =
restTemplate.exchange("http://localhost:8080/blog/update", HttpMethod.POST,
request, Object.class);
```

Solution description

We can use the put() or exchange() method of RestTemplate class to make the PUT request. Option B is incorrect

(10) Page Not Found

Classroom

Problem | Submissions | Doubts

✓ **Page Not Found**
Easy • Score **20/20**

Problem statement Send feedback

What is the HTTP Status Code Related to the Page Not Found?

Options: Pick one correct answer from below

○ 402

⦿ 404 ✓

○ 403

○ 401

(11) Internal Server Error

Classroom

Problem | Submissions | Doubts

✓ **Internal Server Error**
Easy • Score **20/20**

Problem statement Send feedback

What is the HTTP Code Related to Internal Server Error?

Options: Pick one correct answer from below

⦿ 500 ✓

○ 501

○ 502

○ 504

(12) @ResponseStatus

Rest Template
@ResponseStatus ∨

Classroom

Problem | Submissions | Doubts

✓ @ResponseStatus
Easy • Score 20/20

Problem statement   Send feedback

How is the **@ResponseStatus** annotation used to handle exceptions?

Options: Pick one correct answer from below

⦿ By specifying the exception class and the corresponding status code. ✓

○ By providing a custom error message for the exception.

○ By configuring the exception handling logic in a separate class.

○ @ResponseStatus does not handle exceptions.

(13) Error Responses

Rest Template
Error Responses ∨

Classroom

Problem | Submissions | Doubts

✓ Error Responses
Easy • Score 20/20

Problem statement   Send feedback

Which class in REST Template is commonly used to represent HTTP error responses?

Options: Pick one correct answer from below

○ RestTemplateException

⦿ HttpClientErrorException ✓

○ HttpServerErrorException

○ HttpStatusException

Solution description

HttpClientErrorException is the class commonly used in REST Template to represent HTTP error responses. It is a subclass of RestClientException and is thrown when the HTTP response status code falls within the 4xx range (client errors). HttpClientErrorException provides information about the response status code, status text, and response body, allowing developers to handle and process specific client errors accordingly.