## Congratulations! You passed!

**Grade received** 100% **To pass** 80% or higher

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**1.** Why is communicating over HTTPS more secure than HTTP? **1 / 1 point**

- (•) Encryption and decryption are performed both on the client- and server-side.
- ( ) There is client-side encryption and server-side decryption
- ( ) Both client- and server-side are encrypted but decryption is not performed.
- ( ) There is only server-side encryption and client-side encryption

**Correct**
Correct! HTTPS is secure which means that there is encryption for data exchanged both at client- and server-side which can also be decrypted.

**2.** Which of the following HTTPS methods is used to partially update data? **1 / 1 point**

- ( ) GET
- ( ) POST
- (•) PATCH
- ( ) PUT

**Correct**
Correct! PATCH is used to partially updating a resource.

**3.** Which of the following HTTP status codes inside the response header indicate server-side errors? **1 / 1 point**

- ( ) 100-199
- ( ) 400-499
- (•) 500-599
- ( ) 300-399

**Correct**
Correct! The status codes mentioned are used to indicate server-side errors to the client inside the response headers.

**4.** RESTful APIs are considered to be stateless. What this means is the state is saved _____. **1 / 1 point**

- ( ) On neither the client- nor server-side
- ( ) Only on the server
- (•) Only with the client
- ( ) Both on client and server

**Correct**
Correct! The server does not contain any state of the API client making the request and cannot identify who is making the request.

**5.** Which of the following can be a layer in the RESTful API communication system that data encounters while being passed between the client and server? Select all that apply. **1 / 1 point**

- [x] Firewall

**Correct**
Correct! Firewalls are security systems over the network that help control and monitor the network traffic between the client and server based on security rules.

- [x] Load balancer

Correct

Correct! Load balancers help in the efficient distribution of network traffic before the requests from client reach the server.

- [ ] Headers