

# **HTTP Status Codes in Spring Boot**

HTTP Response Codes (also called status codes) are 3-digit numbers sent by a web server (like Spring Boot) in response to a request from a client (like a browser or Postman).

They tell us what happened when the request was processed.

## **HTTP Response Status Codes**

Code	Name	Description
1xx - Informational		
100	Continue	Request received, continue process
101	Switching Protocols	Server is switching protocols
102	Processing (WebDAV)	Server has received and is processing the request

Code	Name	Description	
2xx – Success			
200	ОК	Standard success response	
201	Created	Resource successfully created	
202	Accepted	Request accepted, not yet processed	
204 No Content		Successful, but no response body	

#### **Spring Boot Usage Example:**

return ResponseEntity.status(HttpStatus.CREATED).body("User
created");

Code	Name	Description
3xx - Redirection		
301	Moved Permanently	Resource has moved to a new URL
302	Found	Temporary redirect
304	Not Modified	Resource not modified since last request

Code Name		Description	
4xx – Client Errors			
400	Bad Request	Invalid input or request syntax	
401	Unauthorized	Authentication required	
403	Forbidden	User is not allowed to access	
404	Not Found	Resource does not exist	



405	Method Not Allowed	Method (GET, POST, etc.) not supported
409	Conflict	Conflict in request (e.g., duplicate data)
415	Unsupported Media Type	Incorrect Content-Type in request
429	Too Many Requests	Rate-limiting exceeded

### **Spring Boot Usage Example:**

return ResponseEntity.status(HttpStatus.NOT\_FOUND).body("Data not found");

Code	Name	Description
5xx - Server Errors		
500	Internal Server Error	Unhandled exception occurred
501	Not Implemented	Endpoint/method not implemented
502	Bad Gateway	Invalid response from upstream server
503	Service Unavailable	Server is temporarily overloaded or down
504	Gateway Timeout	Timeout while communicating with another server

## Spring Boot Usage Example:

return

ResponseEntity.status(HttpStatus.INTERNAL\_SERVER\_ERROR).body("Somethi
ng went wrong");

# **Important Status Codes**

Code	Meaning	Typical Use Example
200	ок	GET success
201	Created	POST success
204	No Content	DELETE success
400	Bad Request	Input validation error
401	Unauthorized	Token/authentication missing
403	Forbidden	Access denied
404	Not Found	Resource not found
409	Conflict	Duplicate entry
500	Internal Server Error	Unhandled backend issue