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The following represents the HTTP Headers from the Request and Response from the REST requests created in Postman.

**Request 1:**

GET

https://www.googleapis.com/books/v1/volumes?q=Turing

01:14:46.933

* + Request Headers:
    - cache-control:"no-cache"
    - Postman-Token:"1b3bba0b-cc02-48da-a806-432475050a06"
    - User-Agent:"PostmanRuntime/3.0.9"
    - Accept:"\*/\*"
    - Host:"www.googleapis.com"
    - accept-encoding:"gzip, deflate"
  + Response Headers:
    - expires:"Tue, 31 Jan 2017 20:14:47 GMT"
    - date:"Tue, 31 Jan 2017 20:14:47 GMT"
    - cache-control:"private, max-age=0, must-revalidate, no-transform"
    - etag:""vFp1TYDMppbWxVi0Wgw\_upD83cI/iS6G60h8RbmWymhIz2VedeLeBrg""
    - vary:
      * 0:"Origin"
      * 1:"X-Origin"
    - content-type:"application/json; charset=UTF-8"
    - x-content-type-options:"nosniff"
    - x-frame-options:"SAMEORIGIN"
    - x-xss-protection:"1; mode=block"
    - content-length:"35434"
    - server:"GSE"
    - alt-svc:"quic=":443"; ma=2592000; v="35,34""

**Request 2:**

GET

https://www.googleapis.com/books/v1/volumes/0IIsoRqw9hgC

01:27:41.658

* + Request Headers:
    - cache-control:"no-cache"
    - Postman-Token:"74fd2f9c-d379-48ed-bbbb-22ccd8835bbd"
    - User-Agent:"PostmanRuntime/3.0.9"
    - Accept:"\*/\*"
    - Host:"www.googleapis.com"
    - accept-encoding:"gzip, deflate"
  + Response Headers:
    - expires:"Tue, 31 Jan 2017 20:27:41 GMT"
    - date:"Tue, 31 Jan 2017 20:27:41 GMT"
    - cache-control:"private, max-age=0, must-revalidate, no-transform"
    - etag:""vFp1TYDMppbWxVi0Wgw\_upD83cI/UwRGaDYA3T5IvVOe-zrb0\_otgJw""
    - vary:
      * 0:"Origin"
      * 1:"X-Origin"
    - content-type:"application/json; charset=UTF-8"
    - x-content-type-options:"nosniff"
    - x-frame-options:"SAMEORIGIN"
    - x-xss-protection:"1; mode=block"
    - content-length:"5416"
    - server:"GSE"
    - alt-svc:"quic=":443"; ma=2592000; v="35,34""

**HTTP Header Fields Explained**

*Request*

* **Cache-control:** Used to specify directives that must be obeyed by all caching mechanisms along the request-response chain. Here, no-cache is specified, meaning no caching across the entire response.
* **Postman-Token:** This assures the uniqueness of the request sent. If two requests were sent with the same parameters, each would receive the same response. Tokens are unique per request, which is why for each GET request, the token is different.
* **User-Agent:** This is the application name and version token. In this case, “Postman/3.0.9”.
* **Accept:** Content Types allowed. Here, \*/\* means all media types.
* **Host:** The domain name of the server “www.googleapis.com”.
* **Accept-encoding:** List of acceptable encodings. The types of HTTP compression allowed here are gzip and deflate.

*Response*

* **Expires:** Gives the date and time for which the response is considered “stale”.
* **Date:** Gives the date and time that the message was sent.
* Cache-Control: Tells all caching mechanisms from server to client whether they may cache this object. It is measured in seconds. As we saw in the request, no-cache was requested.
* **Etag:** (Entity Tag)Identifier for a specific version of the resource. Provides web cache validation.
* **Vary:** Tells downstream proxies how to match future request headers to decide whether the cached response can be used rather than requesting a fresh one from the origin server.
* **Content Type:** The MIME type (media type) of this content. Here the type is application, sub-type is Json, and the parameter is UTF-8.
* **X-Content Type Options:** The only defined value, "nosniff" (which is present on both responses), prevents Internet Explorer from MIME-sniffing a response away from the declared content-type.
* **X-Frame Options:** Clickjacking protection (protects the web user from clicking on something different than they had thought they were clicking on). Here, SAMEORIGIN is specified, meaning no rendering if origin mismatch.
* **X-XSS-Protection:** Cross-Site scripting filter. The value given in the header, will enable the XSS protection and instruct the browser to block the response in the event that a malicious script has been inserted from user input. 1; mode=block.
* **Content-Length:** The length of the body in 8-bit bytes. Each response in unique to the request.
* **Server:** The name for the server.
* **Alt-Svc:** (Alternate Services) the Header indicates that its resources can also be accessed at a different network location (host or port) or using a different protocol.