GET 1

<https://www.googleapis.com/books/v1/volumes?q=Turing> 10:21:08.599

Request Headers:

* cache-control:"no-cache" – Directive that forces caches to submit the request to the origin server for validation before releasing a cached copy.
* Postman-Token:"82bd3f1e-1a37-45d5-886b-45e3203eee86” – Identifier of specific REST request on server side that defines this request is coming from a Postman client and its respective identifier.
* User-Agent:"PostmanRuntime/3.0.9" – Characteristic string that allows the network protocol peers to identify the software parameters of the client that sent the request. This is the Postman client and version.
* Accept:"\*/\*" – Advertises what content-type the client is able to understand. This tells the server to pick a type.
* Host:[www.googleapis.com](http://www.googleapis.com) – Specifies the domain name of the server, with optional TCP port number. No port number is given here for the google api.
* accept-encoding:"gzip, deflate" - Advertises which content encoding, usually a compression algorithm, the client is able to understand. “gzip” is a compression format using the Lempel-Ziv coding (LZ77), with a 32-bit CRC. “deflate” is a compression format using the *zlib* structure, with the *deflate* compression algorithm. (copied straight from Mozilla Developer Network)

Response Headers:

* expires:"Thu, 09 Feb 2017 17:21:10 GMT" – When the cached copy of the response is supposedly invalid.
* date:"Thu, 09 Feb 2017 17:21:10 GMT" – When the response was received from the server.
* cache-control:"private, max-age=0, must-revalidate, no-transform" – Directive that states the cache on the client must be private or cannot be a shared cache, the max age in seconds that the content is considered fresh, cache cannot use expired resources and must revalidate if they are stale, and no transformation or conversion should be made to the resource.
* etag:""vFp1TYDMppbWxVi0Wgw\_upD83cI/8b0j7hMlBt-ndnm5SQUIpLXMmpM"" - An identifier for a specific version of a resource. It allows caches to be more efficient, and saves bandwidth, as a web server does not need to send a full response if the content has not changed. On the other side, if the content has changed, etags are useful to help prevent simultaneous updates of a resource from overwriting each other ("mid-air collisions"). (again copied from Mozilla Developer Network)
* vary: Determines how to match future request headers to decide whether a cached response can be used rather than requesting a fresh one from the server.
* content-type:"application/json; charset=UTF-8" – Indicator of the type of the media or content of the resource.
* x-content-type-options:"nosniff" – Marker used by the server to indicate that the MIME types advertised in the Content-Type headers should not be changed and be followed, nosniff opts out of MIME type sniffing.
* x-frame-options:"SAMEORIGIN" - indicate whether or not a browser should be allowed to render a page in a <frame>, <iframe> or <object> .
* x-xss-protection:"1; mode=block" - A feature of Internet Explorer, Chrome and Safari that stops pages from loading when they detect reflected cross-site scripting (XSS) attacks.
* content-length:"36223" – Indicator of the size of the body.
* server:"GSE" – The software of the origin server.
* alt-svc:"quic=":443"; ma=2592000; v="35,34"" – Advertises alternative services from origin server to client

Response Body:

* kind:"books#volumes" – Indicates the kind of the actual data in the body, this is books and their volumes.
* totalItems:1605 – Number of items that are in the array.

The only difference between the first request and the second is that the first one returned a list (array) and the second returned only one item so most of the headers are the same.

GET 2

<https://www.googleapis.com/books/v1/volumes/HyMcH_9eTtoC> 10:35:11.557

Request Headers:

* cache-control:"no-cache"
* Postman-Token:"18b9d25c-f4d3-44c9-927a-6a1b91b1b5e5"
* User-Agent:"PostmanRuntime/3.0.9"
* Accept:"\*/\*"
* Host:"www.googleapis.com"
* accept-encoding:"gzip, deflate"

Response Headers:

* expires:"Thu, 09 Feb 2017 17:35:12 GMT"
* date:"Thu, 09 Feb 2017 17:35:12 GMT"
* cache-control:"private, max-age=0, must-revalidate, no-transform"
* etag:""vFp1TYDMppbWxVi0Wgw\_upD83cI/EUM2XN1tQAdKdtn6MFRkFvw6bqI""
* 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:"4089"
* server:"GSE"
* alt-svc:"quic=":443"; ma=2592000; v="35,34""

Response Body:

* kind:"books#volume"
* id:"HyMcH\_9eTtoC" – this is the passed environment variable from the previous request
* etag:"RSrf7DA6Juk"
* selfLink:<https://www.googleapis.com/books/v1/volumes/HyMcH_9eTtoC> – a hyperlink to find this particular item that was requested.