**Task2**

<https://www.facebook.com/>

**Request URL:** https://static.xx.fbcdn.net/rsrc.php/v3/yT/r/buClrGgmTFL.js

Response Headers

**access-control-allow-credentials:** true

**access-control-allow-origin:** \*

**cache-control:** public,max-age=31536000,immutable

**content-encoding:** br

**content-length:** 72676

**content-md5:** BJACh4kd2Fv/5h3Kyj3rrw==

**content-security-policy:** default-src \* data: blob:;script-src \*.facebook.com \*.fbcdn.net \*.facebook.net \*.google-analytics.com \*.virtualearth.net \*.google.com 127.0.0.1:\* \*.spotilocal.com:\* 'unsafe-inline' 'unsafe-eval' fbstatic-a.akamaihd.net fbcdn-static-b-a.akamaihd.net \*.atlassolutions.com blob: data: 'self';style-src data: blob: 'unsafe-inline' \*;connect-src \*.facebook.com facebook.com \*.fbcdn.net \*.facebook.net \*.spotilocal.com:\* \*.akamaihd.net wss://\*.facebook.com:\* https://fb.scanandcleanlocal.com:\* \*.atlassolutions.com attachment.fbsbx.com ws://localhost:\* blob: \*.cdninstagram.com 'self' chrome-extension://boadgeojelhgndaghljhdicfkmllpafd chrome-extension://dliochdbjfkdbacpmhlcpmleaejidimm;

**content-type:** application/x-javascript; charset=utf-8

**date:** Wed, 21 Mar 2018 10:07:48 GMT

**expires:** Thu, 21 Mar 2019 02:25:36 GMT

**last-modified:** Mon, 01 Jan 2001 08:00:00 GMT

**status:** 200

**timing-allow-origin:** \*

**vary:** Accept-Encoding

**x-content-type-options:** nosniff

**x-fb-debug:** or9uZF8YKyTxwzaQzg5P2sC16psVNmaGVWHcRGCKd1AKDxGaJcv2Fg9yvwiLOsk4dZCqucZXim6vsG3YLfl9cQ==

**x-xss-protection:** 0

<https://www.youtube.com/>

**Request URL:** https://i.ytimg.com/vi/yRN223m46N8/hqdefault.jpg?sqp=-oaymwEYCNIBEHZIVfKriqkDCwgBFQAAiEIYAXAB&rs=AOn4CLBf85ENy3RhMUUZjfnFQAOFz58bdA

**Request Method:** GET

**Status Code:** 200

**Remote Address:** 216.58.215.78:443

**Referrer Policy:** no-referrer-when-downgrade

Response Headers

**accept-ranges:** bytes

**age:** 5979

**alt-svc:** hq=":443"; ma=2592000; quic=51303431; quic=51303339; quic=51303335,quic=":443"; ma=2592000; v="41,39,35"

**cache-control:** public, max-age=7200

**content-length:** 9546

**content-type:** image/webp

**date:** Wed, 21 Mar 2018 10:26:00 GMT

**etag:** "1502796942"

**expires:** Wed, 21 Mar 2018 12:26:00 GMT

**server:** sffe

**status:** 200

**timing-allow-origin:** https://imasdk.googleapis.com

**x-content-type-options:** nosniff

**x-xss-protection:** 1; mode=block

Request Headers:

**:authority:** i.ytimg.com

**:method:** GET

**:path:** /vi/yRN223m46N8/hqdefault.jpg?sqp=-oaymwEYCNIBEHZIVfKriqkDCwgBFQAAiEIYAXAB&rs=AOn4CLBf85ENy3RhMUUZjfnFQAOFz58bdA

**:scheme:** https

**accept:** image/webp,image/apng,image/\*,\*/\*;q=0.8

**accept-encoding:** gzip, deflate, br

**accept-language:** uk-UA,uk;q=0.9,ru;q=0.8,en-US;q=0.7,en;q=0.6

**referer:** https://www.youtube.com/

**user-agent:** Mozilla/5.0 (Windows NT 6.3; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/64.0.3282.186 Safari/537.36

**x-chrome-uma-enabled:** 1

**x-client-data:** CJe2yQEIo7bJAQjBtskBCKmdygEIqKPKAQ==

<https://www.google.com/>

**Request URL:** https://www.google.com/

Response Headers

**alt-svc:** hq=":443"; ma=2592000; quic=51303431; quic=51303339; quic=51303335,quic=":443"; ma=2592000; v="41,39,35"

**cache-control:** private, max-age=0

**content-encoding:** br

**content-type:** text/html; charset=UTF-8

**date:** Wed, 21 Mar 2018 12:14:22 GMT

**expires:** -1

**p3p:** CP="This is not a P3P policy! See g.co/p3phelp for more info."

**server:** gws

**set-cookie:** SIDCC=AAiTGe8gEQPsv\_i6UCuOTeCcPPCFp\_ISnAog9Os-w5\_LCXjdq0zQWcMK-gl3IDj7-b1qG-8-jAk; expires=Tue, 19-Jun-2018 12:14:22 GMT; path=/; domain=.google.com; priority=high

**set-cookie:** 1P\_JAR=2018-03-21-12; expires=Fri, 20-Apr-2018 12:14:22 GMT; path=/; domain=.google.com

**set-cookie:** OTZ=; expires=Mon, 01-Jan-1990 00:00:00 GMT; path=/; domain=.google.com

**set-cookie:** NID=126=tZ1CdZemOlp2d49dbz4fG1I6jjRNNmlxQ9I-vwD8faTEAj6HcANJxhf9jGMjrXvC0yKhuWSI7WROQSb\_Nh03aepopyghwl3ljxCgzVfcZVnwjdWI2i4zDxxi3qfVdiSh9zVcq0-h2P0rQM\_1Sf2uOYm\_U6SztbJ3w2j9QzkkZLlkUOXdWrf3wInNxBX-aEPEFRD0SuM\_fhxfUMKDWhmGETmh4iS5DhoWd6trtAxjFT4wwldXLya3C5OV8Onc; expires=Thu, 20-Sep-2018 12:14:22 GMT; path=/; domain=.google.com; HttpOnly

**set-cookie:** OTZ=; expires=Mon, 01-Jan-1990 00:00:00 GMT; path=/; domain=www.google.com

**set-cookie:** OTZ=; expires=Mon, 01-Jan-1990 00:00:00 GMT; path=/; domain=.www.google.com

**set-cookie:** OTZ=; expires=Mon, 01-Jan-1990 00:00:00 GMT; path=/; domain=google.com

**status:** 200

**strict-transport-security:** max-age=86400

**x-frame-options:** SAMEORIGIN

**x-xss-protection:** 1; mode=block

Request Headers

**:authority:** www.google.com

**:method:** GET

**:path:** /

**:scheme:** https

**accept:** text/html,application/xhtml+xml,application/xml;q=0.9,image/webp,image/apng,\*/\*;q=0.8

**accept-encoding:** gzip, deflate, br

**accept-language:** uk-UA,uk;q=0.9,ru;q=0.8,en-US;q=0.7,en;q=0.6

**cache-control:** max-age=0

**cookie:** CONSENT=YES+UA.uk+20170521-09-0; OTZ=4290490\_48\_48\_123900\_44\_436380; SID=5QWl2sS725gKmNTz1vaMJF3JQReswgxAnT6vkZ9INE-Scz\_0pJaSy1IcPS7-rdmFGEVlgQ.; HSID=AaEA5Lh4f4lW2xgdj; SSID=AJB-R-bBHvq6ZxzPJ; APISID=BOAwqKqgWYQKu2tS/AeMTgPEcMbec4Fiw\_; SAPISID=\_HBjtkAgWBRDUzFr/AB-WN363bOxJtWqbm; NID=126=loaO2nZjvC-nMUHzyi8OUOrgEiWatn-HkwKfvBeFGUsUBENcytAs6z9V542ReTu8MrPB5BguohdAhnXD6Tc9ey5l9sLFU25UOdxTIQqqz8YJ0iZRpdmzSgOxO6Vx4cD1gyRQDmTFPrcohqzRFb9r5v7xVZUwKbcvb8ju\_I9WheNmPO0ypCUnW8EGw7QfV5DAPzSWJPGdAXSsrDmDmCJitSRQhngyN-X8rtGxPVS1JvxS8nhIPT1Jk1vAiqMZ; 1P\_JAR=2018-03-21-12; UULE=a+cm9sZToxIHByb2R1Y2VyOjEyIHByb3ZlbmFuY2U6NiB0aW1lc3RhbXA6MTUyMTYzNDQ0NDk3MTAwMCBsYXRsbmd7bGF0aXR1ZGVfZTc6NDg5MTAzOTg3IGxvbmdpdHVkZV9lNzoyNDc2NzI4MzN9IHJhZGl1czoxNjc0MA==; SIDCC=AAiTGe\_X0FrO0mBNyea2lKgUBW8yAQKW-tYRvjR9kBVqFUVMPwZ6XkbEB8i\_2j6Q-mvabHHGqK0

**upgrade-insecure-requests:** 1

**user-agent:** Mozilla/5.0 (Windows NT 6.3; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/64.0.3282.186 Safari/537.36

**x-chrome-uma-enabled:** 1

**x-client-data:** CJe2yQEIo7bJAQjBtskBCKmdygEIqKPKAQ==

<https://www.wikipedia.org/>

**Request URL:** https://www.wikipedia.org/

**Request Method:** GET

**Response Headers**

**age:** 7749

**backend-timing:** D=241 t=1521541409339756

**cache-control:** s-maxage=86400, must-revalidate, max-age=3600

**content-encoding:** gzip

**content-type:** text/html

**date:** Wed, 21 Mar 2018 12:29:07 GMT

**etag:** W/"122ea-567c1f68db213"

**last-modified:** Mon, 19 Mar 2018 11:07:26 GMT

**server:** mw1324.eqiad.wmnet

**status:** 304

**strict-transport-security:** max-age=106384710; includeSubDomains; preload

**vary:** Accept-Encoding

**via:** 1.1 varnish (Varnish/5.1), 1.1 varnish (Varnish/5.1), 1.1 varnish (Varnish/5.1)

**x-analytics:** WMF-Last-Access=21-Mar-2018;WMF-Last-Access-Global=21-Mar-2018;https=1

**x-cache:** cp1065 hit/9, cp3040 hit/1, cp3032 hit/85907

**x-cache-status:** hit-front

**x-client-ip:** 46.172.143.86

**x-varnish:** 1065381117 1062623439, 841736556 854349461, 1033861466 732137705

Request Headers

**:authority:** www.wikipedia.org

**:method:** GET

**:path:** /

**:scheme:** https

**accept:** text/html,application/xhtml+xml,application/xml;q=0.9,image/webp,image/apng,\*/\*;q=0.8

**accept-encoding:** gzip, deflate, br

**accept-language:** uk-UA,uk;q=0.9,ru;q=0.8,en-US;q=0.7,en;q=0.6

**cache-control:** max-age=0

**cookie:** WMF-Last-Access-Global=21-Mar-2018; GeoIP=UA:26:Ivano-Frankivsk:48.92:24.71:v4; CP=H2; WMF-Last-Access=21-Mar-2018

**if-modified-since:** Mon, 19 Mar 2018 11:07:26 GMT

**if-none-match:** W/"122ea-567c1f68db213"

**upgrade-insecure-requests:** 1

**user-agent:** Mozilla/5.0 (Windows NT 6.3; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/64.0.3282.186 Safari/537.36

<https://rozetka.com.ua/ua/>

**Request URL:** https://rozetka.com.ua/

**Request Method:** GET

Response Headers

**Connection:** keep-alive

**Content-Type:** text/html

**Date:** Wed, 21 Mar 2018 12:40:05 GMT

**Keep-Alive:** timeout=75

**Location:** https://rozetka.com.ua/ua/

**Server:** nginx

**Transfer-Encoding:** chunked

**X-Cache:** main\_cache

**X-Content-Type-Options:** nosniff

**X-Frame-Options:** SAMEORIGIN

**X-XSS-Protection:** 1; mode=block

Request Headers

**Accept:** text/html,application/xhtml+xml,application/xml;q=0.9,image/webp,image/apng,\*/\*;q=0.8

**Accept-Encoding:** gzip, deflate, br

**Accept-Language:** uk-UA,uk;q=0.9,ru;q=0.8,en-US;q=0.7,en;q=0.6

**Cache-Control:** max-age=0

**Connection:** keep-alive

**Cookie:** \_ga=GA1.3.523391482.1515355086; \_\_exponea\_etc\_\_=defbc657-06ea-4412-92dd-b0d887a5ab18; \_\_utmv=28000675.|5=VisitorCity=36=1; cto\_lwid=05e6d2b9-5d3d-4737-a9c6-e7450aca87f5; \_\_gads=ID=7308e9d7a37ceb62:T=1516131627:S=ALNI\_MYrUB78RjbSd\_rJ7R175j8nkfqqKw; \_gac\_UA-203518-6=1.1517244642.CjwKCAiAqbvTBRAPEiwANEkyCIjJdV5DGIj2kIrSzJaPs1h70zRTEqig8nIglTcVbBdOBp6SC8wQChoCzWwQAvD\_BwE; \_gac\_UA-203518-1=1.1516396384.CjwKCAiAqbvTBRAPEiwANEkyCIjJdV5DGIj2kIrSzJaPs1h70zRTEqig8nIglTcVbBdOBp6SC8wQChoCzWwQAvD\_BwE; \_gac\_UA-203518-10=1.1517244643.CjwKCAiAqbvTBRAPEiwANEkyCIjJdV5DGIj2kIrSzJaPs1h70zRTEqig8nIglTcVbBdOBp6SC8wQChoCzWwQAvD\_BwE; \_\_utmz=28000675.1518777039.9.9.utmcsr=google|utmccn=(organic)|utmcmd=organic|utmctr=(not%20provided); \_gaexp=GAX1.3.ByKVcOYmSjavpmbVYggYjw.17656.0; \_\_utmz\_gtm=utmcsr=google|utmccn=(none)|utmcmd=organic; D\_SID=46.172.143.86:0WNNELSQUY1/T/KOkLt9LUd3TeSwwPLOcI1eQTvfeCo; uid=rB4eB1qyT/8YxoiMB29JAg==; slang=ua; pplg=1; \_gid=GA1.3.1026942180.1521635331; device\_type=computer; visitor\_city=36; mini\_cart\_block\_state=%22maximized%22; mini\_waitlist\_available\_block\_state=%22maximized%22; href=https%3A%2F%2Frozetka.com.ua%2F; \_\_utma=28000675.523391482.1515355086.1518777039.1521635333.10; \_\_utmc=28000675; \_\_utmb=28000675.1.10.1521635333; \_\_exponea\_time2\_\_=-3.0901682376861572; D\_IID=3D86D4D7-1839-3E7A-A14C-684140078A2E; D\_UID=B1679B55-2838-3A8F-8CBC-4F032E70DD35; D\_ZID=26F367E9-E0F4-39D6-B3DE-D7C4D9CA9515; D\_ZUID=602EF0B1-B627-3C2E-87FC-1CE8A92150C9; D\_HID=BDDE4EB9-EEE2-39A7-B901-E3BAC568ED4C; partner\_id=1; RT="sl=1&ss=1521635330013&tt=13055&obo=0&bcn=%2F%2F36e4f0e7.akstat.io%2F&sh=1521635343078%3D1%3A0%3A13055&dm=rozetka.com.ua&si=d4ff8d05-5cde-4d86-a78b-41e987b3239e&r=https%3A%2F%2Frozetka.com.ua%2F&ul=1521636014822"

**Host:** rozetka.com.ua

**Referer:** http://rozetka.com.ua/

**Upgrade-Insecure-Requests:** 1

**User-Agent:** Mozilla/5.0 (Windows NT 6.3; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/64.0.3282.186 Safari/537.36

**Response Headers meanings**

**Accept** request HTTP header advertises which content types, expressed as [MIME types](https://developer.mozilla.org/en-US/docs/Web/HTTP/Basics_of_HTTP/MIME_types), the client is able to understand. Using [content negotiation](https://developer.mozilla.org/en-US/docs/Web/HTTP/Content_negotiation), the server then selects one of the proposals, uses it and informs the client of its choice with the [Content-Type](https://developer.mozilla.org/en-US/docs/Web/HTTP/Headers/Content-Type)response header. Browsers set adequate values for this header depending of the context where the request is done: when fetching a CSS stylesheet a different value is set for the request than when fetching an image, video or a script.

**Accept-Ranges** response HTTP header is a marker used by the server to advertise its support of partial requests. The value of this field indicates the unit that can be used to define a range.

**Access-Control-Allow-Credentials ­** response header indicates whether or not the response to the request can be exposed to the page. It can be exposed when the truevalue is returned.

**Access-Control-Allow-Origin** response header indicates whether the response can be shared with resources with the given [origin](https://developer.mozilla.org/en-US/docs/Glossary/origin).

**Age** header contains the time in seconds the object has been in a proxy cache.

**Cache-Control** general-header field is used to specify directives for caching mechanisms in both requests and responses. Caching directives are unidirectional, meaning that a given directive in a request is not implying that the same directive is to be given in the response.

**Connection** general header controls whether or not the network connection stays open after the current transaction finishes. If the value sent is keep-alive, the connection is persistent and not closed, allowing for subsequent requests to the same server to be done.

**Content-Encoding** entity header is used to compress the media-type. When present, its value indicates which encodings were applied to the entity-body. It lets the client know, how to decode in order to obtain the media-type referenced by the Content-Typeheader.

**Content-Length** entity header is indicating the size of the entity-body, in bytes, sent to the recipient.

**Content-md5** Base64 MD5 hash essence to verify integrity.

**Content-Security-Policy** response header allows web site administrators to control resources the user agent is allowed to load for a given page. With a few exceptions, policies mostly involve specifying server origins and script endpoints. This helps guard against cross-site scripting attacks ([XSS](https://developer.mozilla.org/en-US/docs/Glossary/XSS)).

**Content-Type** entity header is used to indicate the [media type](https://developer.mozilla.org/en-US/docs/Glossary/MIME_type) of the resource.

**Date** general HTTP header contains the date and time at which the message was originated.

**ETag** HTTP response header is 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").

**Expires** header contains the date/time after which the response is considered stale.

**Keep-Alive** general header allows the sender to hint about how the connection and may be used to set a timeout and a maximum amount of requests.

**Location** response header indicates the URL to redirect a page to. It only provides a meaning when served with a 3xx (redirection) or 201 (created) status response.

**Platform for Privacy Preferences Project** (**P3P**) is an obsolete [protocol](https://en.wikipedia.org/wiki/Protocol_(computing)) allowing [websites](https://en.wikipedia.org/wiki/Website) to declare their intended use of information they collect about [web browser](https://en.wikipedia.org/wiki/Web_browser) users

**Last-Modified** response HTTP header contains the date and time at which the origin server believes the resource was last modified. It is used as a validator to determine if a resource received or stored is the same

**Referer** request header contains the address of the previous web page from which a link to the currently requested page was followed.

**Referrer-Policy** HTTP header governs which referrer information, sent in the [Referer](https://developer.mozilla.org/en-US/docs/Web/HTTP/Headers/Referer) header, should be included with requests made.

**User-Agent** request header contains a characteristic string that allows the network protocol peers to identify the application type, operating system, software vendor or software version of the requesting software user agent.

**Server** header contains information about the software used by the origin server to handle the request.

**Status** is HTTP response status codes indicate whether a specific [HTTP](https://developer.mozilla.org/en-US/docs/Web/HTTP) request has been successfully completed. Responses are grouped in five classes: informational responses, successful responses, redirects, client errors, and servers errors.

**Set-Cookie** HTTP response header is used to send cookies from the server to the user agent.

**HTTP Strict-Transport-Security** response header (often abbreviated as [HSTS](https://developer.mozilla.org/en-US/docs/Glossary/HSTS))  lets a web site tell browsers that it should only be accessed using HTTPS, instead of using HTTP.

**Timing-Allow-Origin** response header specifies origins that are allowed to see values of attributes retrieved via features of the [Resource Timing API](https://developer.mozilla.org/en-US/docs/Web/API/Resource_Timing_API), which would otherwise be reported as zero due to cross-origin restrictions.

**Vary** HTTP response header determines how to match future request headers to decide whether a cached response can be used rather than requesting a fresh one from the origin server. It is used by the server to indicate which headers it used when selecting a representation of a resource in a [content negotiation](https://developer.mozilla.org/en-US/docs/Web/HTTP/Content_negotiation) algorithm.

**Via** general header is added by proxies, both forward and reverse proxies, and can appear in the request headers and the response headers. It is used for tracking message forwards, avoiding request loops, and identifying the protocol capabilities of senders along the request/response chain.

**X-Content-Type-Options** response HTTP header is a marker used by the server to indicate that the [MIME types](https://developer.mozilla.org/en-US/docs/Web/HTTP/Basics_of_HTTP/MIME_types) advertised in the [Content-Type](https://developer.mozilla.org/en-US/docs/Web/HTTP/Headers/Content-Type) headers should not be changed and be followed. This allows to opt-out of [MIME type sniffing](https://developer.mozilla.org/en-US/docs/Web/HTTP/Basics_of_HTTP/MIME_types#MIME_sniffing), or, in other words, it is a way to say that the webmasters knew what they were doing.

**X-Frame-Options** [HTTP](https://developer.mozilla.org/en-US/docs/Web/HTTP) response header can be used to indicate whether or not a browser should be allowed to render a page in a [<frame>](https://developer.mozilla.org/en-US/docs/Web/HTML/Element/frame), [<iframe>](https://developer.mozilla.org/en-US/docs/Web/HTML/Element/iframe) or [<object>](https://developer.mozilla.org/en-US/docs/Web/HTML/Element/object) . Sites can use this to avoid [clickjacking](https://en.wikipedia.org/wiki/clickjacking) attacks, by ensuring that their content is not embedded into other sites.

**X-XSS-Protection** response header is a feature of Internet Explorer, Chrome and Safari that stops pages from loading when they detect reflected cross-site scripting ([XSS](https://developer.mozilla.org/en-US/docs/Glossary/XSS)) attacks.