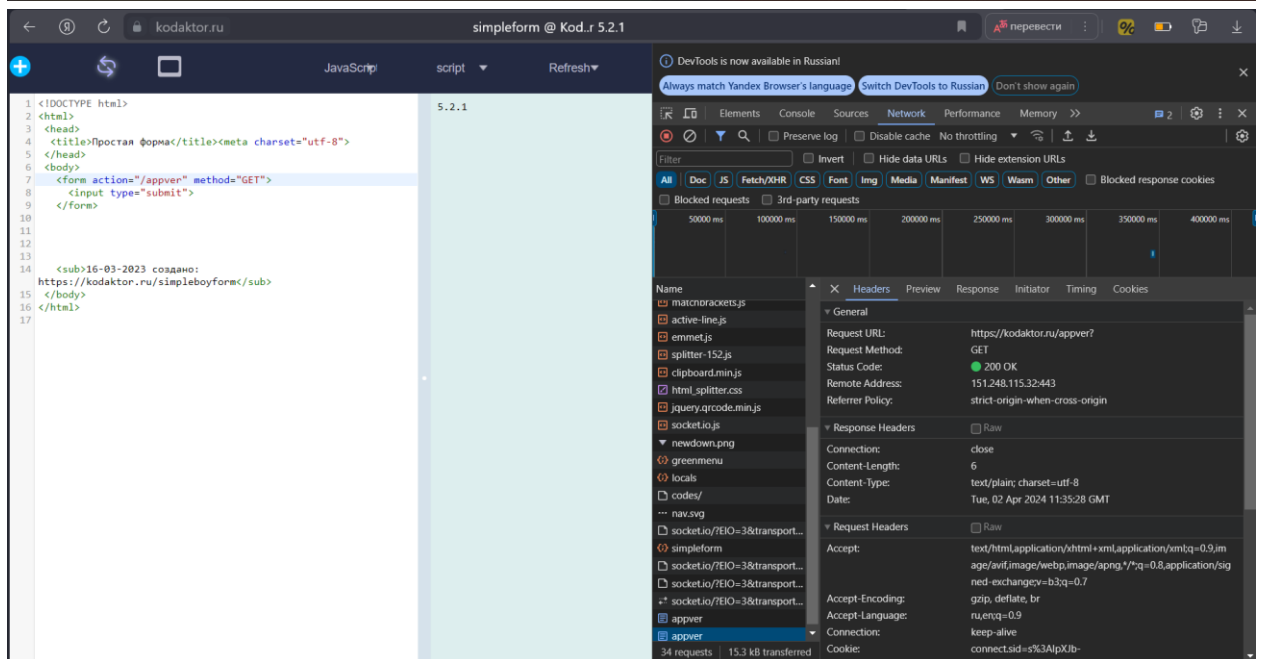
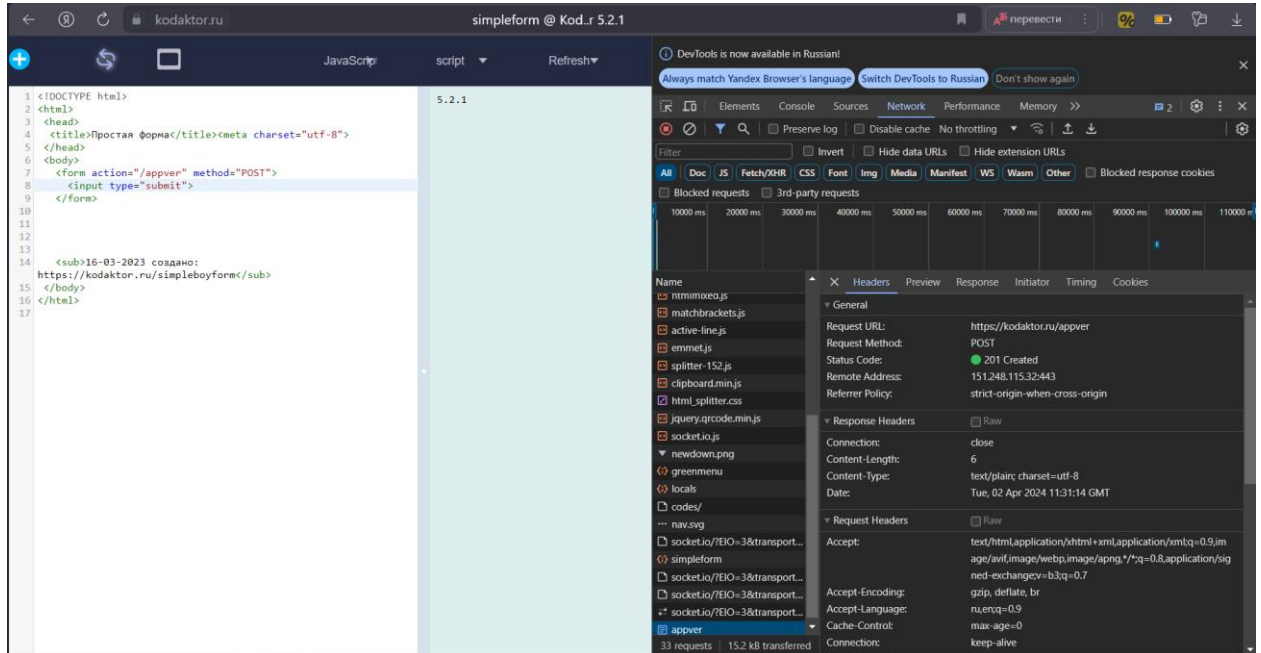


## Лабораторная Работа 4 КП

### Задание 1:

Изучить материал лекции.



```
C:\Users\ugari>ping kodaktor.ru
```

```
Pinging kodaktor.ru [151.248.115.32] with 32 bytes of data:
Reply from 151.248.115.32: bytes=32 time=10ms TTL=56
Reply from 151.248.115.32: bytes=32 time=16ms TTL=56
Reply from 151.248.115.32: bytes=32 time=212ms TTL=56
```

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### Задание 2:

Отправьте GET и POST запрос с помощью CURL на любой онлайн сервис из командной строки.

```
C:\Users\ugari>curl https://newsvo.ru/api/v1/endpoint
<!DOCTYPE HTML>
<html lang="ru" dir="ltr" prefix="content: http://purl.org/rss/1.0/modules/content/ dc: http://purl.org/dc/terms/ foaf: http://xmlns.com/foaf/0.1/ og: ht
tp://ogp.me/ns# rdfs: http://www.w3.org/2000/01/rdf-schema# schema: http://schema.org/ sioc: http://rdfs.org/sioc/ns# sioc: http://rdfs.org/sioc/types#
skos: http://www.w3.org/2004/02/skos/core# xsd: http://www.w3.org/2001/XMLSchema# ">
<head>
  <title>Страница не найдена | newsvo.ru</title>
  <meta charset="utf-8" />
  <link rel="canonical" href="https://newsvo.ru/" />
  <link rel="shortlink" href="https://newsvo.ru/" />
  <meta name="yandex-verification" content="801da0b9258bbf58" />
  <meta name="Generator" content="Drupal 9 (https://www.drupal.org)" />
  <meta name="MobileOptimized" content="width" />
  <meta name="HandheldFriendly" content="true" />
  <meta name="viewport" content="width=device-width, initial-scale=1.0" />
  <link rel="icon" href="/themes/custom/newsvo/favicon.svg" type="image/svg+xml" />

  <meta name="viewport" content="width=device-width, initial-scale=1, user-scalable=no"/>
  <link rel="stylesheet" media="all" href="/sites/default/files/css/css_ENa5JH3aFktnwOWN9DiNkdBbz9-3YdF6P-NRC2FTsw.css" />
<link rel="stylesheet" media="all" href="/sites/default/files/css/css_HXDFixt9VY2tixM3zS6ki7efWUQPLcaavgMAMAw0ytg.css" />

  <link rel="icon" type="image/png" href="/themes/custom/newsvo/favicon.png">
  <link rel="icon" href="/themes/custom/newsvo/favicon.png" type="image/x-icon">
  <link rel="icon" type="image/svg+xml" sizes="120x120" href="/themes/custom/newsvo/favicon.svg" type="image/x-icon">

  <meta name="yandex-verification" content="67e34b3f133b247d"/>
  <meta name="blogocash-verify" content='053078470116aa5b188cc4f62675ef3e'/>
  <meta name="google-site-verification" content="61YRZaLXNEAus0wd-00AQiwnS4LSNfNDMx_4EVXHapQ"/>
  <meta name="google-site-verification" content="przXYfEtBLhl8crr8fuUD1Px3g9WY0z7A8tLfURmVyc"/>
  <!-- f4556a3703387748 -->
  <meta name="wmail-verification" content='b40d01a268ceb70b'/>
  <meta name="google-site-verification" content='vkb7yIAvTHiYFU15T2oGxE7CRLHme-Sv0GaFfP-Tsp4'/>
  <meta name="wmail-verification" content='b40d01a268ceb70b'/>
  <meta name="Petal-Search-site-verification" content='46e3759fec'/>
<script async src="https://www.googletagmanager.com/gtag/js?id=UA-12958707-1"></script>
```

```
C:\Users\ugari>curl -X POST https://newsvo.ru/api/v1/login -d '{"username": "Nikita", "password": "secret"}'
<!DOCTYPE HTML>
<html lang="ru" dir="ltr" prefix="content: http://purl.org/rss/1.0/modules/content/ dc: http://purl.org/dc/terms/ foaf: http://xmlns.com/foaf/0.1/ og: ht
tp://ogp.me/ns# rdfs: http://www.w3.org/2000/01/rdf-schema# schema: http://schema.org/ sioc: http://rdfs.org/sioc/ns# sioc: http://rdfs.org/sioc/types#
skos: http://www.w3.org/2004/02/skos/core# xsd: http://www.w3.org/2001/XMLSchema# ">
<head>
  <title>Страница не найдена | newsvo.ru</title>
  <meta charset="utf-8" />
  <link rel="canonical" href="https://newsvo.ru/" />
  <link rel="shortlink" href="https://newsvo.ru/" />
  <meta name="yandex-verification" content="801da0b9258bbf58" />
  <meta name="Generator" content="Drupal 9 (https://www.drupal.org)" />
  <meta name="MobileOptimized" content="width" />
  <meta name="HandheldFriendly" content="true" />
  <meta name="viewport" content="width=device-width, initial-scale=1.0" />
  <link rel="icon" href="/themes/custom/newsvo/favicon.svg" type="image/svg+xml" />

  <meta name="viewport" content="width=device-width, initial-scale=1, user-scalable=no"/>
  <link rel="stylesheet" media="all" href="/sites/default/files/css/css_ENa5JH3aFktnwOWN9DiNkdBbz9-3YdF6P-NRC2FTsw.css" />
<link rel="stylesheet" media="all" href="/sites/default/files/css/css_HXDFixt9VY2tixM3zS6ki7efWUQPLcaavgMAMAw0ytg.css" />

  <link rel="icon" type="image/png" href="/themes/custom/newsvo/favicon.png">
  <link rel="icon" href="/themes/custom/newsvo/favicon.png" type="image/x-icon">
  <link rel="icon" type="image/svg+xml" sizes="120x120" href="/themes/custom/newsvo/favicon.svg" type="image/x-icon">

  <meta name="yandex-verification" content="67e34b3f133b247d"/>
  <meta name="blogocash-verify" content='053078470116aa5b188cc4f62675ef3e'/>
  <meta name="google-site-verification" content="61YRZaLXNEAus0wd-00AQiwnS4LSNfNDMx_4EVXHapQ"/>
  <meta name="google-site-verification" content="przXYfEtBLhl8crr8fuUD1Px3g9WY0z7A8tLfURmVyc"/>
  <!-- f4556a3703387748 -->
  <meta name="wmail-verification" content='b40d01a268ceb70b'/>
  <meta name="google-site-verification" content='vkb7yIAvTHiYFU15T2oGxE7CRLHme-Sv0GaFfP-Tsp4'/>
  <meta name="wmail-verification" content='b40d01a268ceb70b'/>
```

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**Задание 3:** Отправьте GET и POST-запрос с помощью Telnet как показано в обновлённой инструкции по Telnet.

```
telnet> set localecho
'localecho': unknown argument ('set ?' for help).
telnet> o 151.248.115.32 80
Trying 151.248.115.32...
Connected to 151.248.115.32.
Escape character is '^]'.
GET /appver HTTP/1.1
Host: kodaktor.ru

HTTP/1.1 200 OK
Content-Type: text/plain; charset=utf-8
Content-Length: 6
Connection: close
Date: Tue, 02 Apr 2024 12:56:22 GMT

5.2.1
Connection closed by foreign host.
```

```
telnet> set localecho
'localecho': unknown argument ('set ?' for help).
telnet> clear
?Invalid command
telnet> clean
?Invalid command
telnet> set localecho
'localecho': unknown argument ('set ?' for help).
telnet> o 151.248.115.32 80
Trying 151.248.115.32...
Connected to 151.248.115.32.
Escape character is '^]'.
POST /api/reg/%D0%98%D0%BB%D1%8C%D1%8F/%D0%93%D0%BE%D1%81%D1%83%D0%B4%D0%B0%D1%80%D0%B5%D0%B2 HTTP/1.1
Host: kodaktor.ru
Content-Type: application/x-www-form-urlencoded
Content-Length: 95

name=%D0%98%D0%BB%D1%8C%D1%8F&familyname=%D0%93%D0%BE%D1%81%D1%83%D0%B4%D0%B0%D1%80%D0%B5%D0%B2
HTTP/1.1 200 OK
Access-Control-Allow-Origin: *
Access-Control-Allow-Methods: GET, POST, DELETE, PUT, OPTIONS
Access-Control-Expose-Headers: X-Resp, Content-Type, Accept, Access-Control-Allow-Headers, Access-Control-Expose-Headers
Access-Control-Allow-Headers: X-Resp, Content-Type, Accept, Access-Control-Allow-Headers, Access-Control-Expose-Headers
Content-Type: application/json; charset=utf-8
X-By: Ilya Goss (C)2017
X-Test: POST538c73d6461e13907bb95c51c38bfbc
Content-Length: 89
ETag: W/"59--NrYYIrFbUXo6CldunN8HQ"
set-cookie: connect.sid=s%3AP4yq7s3VjGJD3DRMX5ZK8-Bni2qONEeK.th55f3b9EeguUZ%2FyNj9MukaenJQc%2F8jKJaKKKprZuKA; Path=/; Expires=Tue, 02 Apr 2024 15:48:18 GMT;
httpOnly
Date: Tue, 02 Apr 2024 13:01:38 GMT
Connection: keep-alive

{"name": "Илья", "familyname": "Государев", "METHOD": "POST", "NAME": "Илья"}Connection closed by foreign host.
```

**Задание 4:** Отправьте GET и POST-запросы с помощью Postman, Insomnia, HTTPie/HTTPie Desktop, SoapUI или JMeter (предварительно их установив) в сервис погоды OpenWeather для того, чтобы узнать погоду в конкретном городе.

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GET https://api.openweathermap.org/data/2.5/weather?q=London&appid=43914599e87ec390cbc724f6a9ca9952

Save </>

GET https://api.openweathermap.org/data/2.5/weather?q=London&appid=43914599e87ec390cbc724f6a9ca9952

Send

Params Authorization Headers (6) Body Pre-request Script Tests Settings Cookies

Query Params

	Key	Value	Bulk Edit
<input checked="" type="checkbox"/>	q	London	
<input checked="" type="checkbox"/>	appid	43914599e87ec390cbc724f6a9ca9952	
	Key	Value	

Body Cookies Headers (9) Test Results

Status: 200 OK Time: 187 ms Size: 797 B Save Response

Pretty Raw Preview Visualize JSON

```
1 {
2   "coord": {
3     "lon": -0.1257,
4     "lat": 51.5085
5   },
6   "weather": [
7     {
8       "id": 803,
9       "main": "Clouds",
10      "description": "broken clouds",
11      "icon": "04d"
12    }
13  ],
14  "base": "stations",
15  "main": {
16    "temp": 286.68,
17    "feels_like": 286.31
```

POST https://api.openweathermap.org/data/2.5/weather?q=London&appid=43914599e87ec390cbc724f6a9ca9952

Save </>

POST https://api.openweathermap.org/data/2.5/weather?q=London&appid=43914599e87ec390cbc724f6a9ca9952

Send

Params Authorization Headers (7) Body Pre-request Script Tests Settings Cookies

Query Params

	Key	Value	Bulk Edit
<input checked="" type="checkbox"/>	q	London	
<input checked="" type="checkbox"/>	appid	43914599e87ec390cbc724f6a9ca9952	
	Key	Value	

Body Cookies Headers (9) Test Results

Status: 200 OK Time: 265 ms Size: 797 B Save Response

Pretty Raw Preview Visualize JSON

```
1 {
2   "coord": {
3     "lon": -0.1257,
4     "lat": 51.5085
5   },
6   "weather": [
7     {
8       "id": 803,
9       "main": "Clouds",
10      "description": "broken clouds",
11      "icon": "04d"
12    }
13  ],
14  "base": "stations",
15  "main": {
16    "temp": 286.78,
17    "feels_like": 286.30
```