

```
try:
    from google.colab import drive
    %tensorflow_version 2.x
    COLAB = True
    print("Hello World")
    print("Note: using Google CoLab")
except:
    print("Hello NITD")
    print("Note: not using Google CoLab")
COLAB = False

# Print your name and Roll No.
print("rohit byas 181210043")
# Print the curent time
from datetime import datetime

now = datetime.now()

current_time = now.strftime("%H:%M:%S")
print("Current Time =", current_time)

Hello World
Note: using Google CoLab
rohit byas 181210043
Current Time = 08:18:16
```

```
try:
    from google.colab import drive
    %tensorflow_version 2.x
    COLAB = True
    print("Hello World")
    print("Note: using Google CoLab")
except:
    print("Hello NITD")
    print("Note: not using Google CoLab")
COLAB = False

# Print your name and Roll No.
print("Rohit Byas Sherwan")
# Print the curent time
from datetime import datetime

now = datetime.now()

current_time = now.strftime("%H:%M:%S")
print("Current Time =", current_time)

Hello World
Note: using Google CoLab
Rohit Byas Sherwan
Current Time = 08:28:13
```

```
pip install requests
```

```
Requirement already satisfied: requests in /usr/local/lib/python3.6/dist-pack
Requirement already satisfied: urllib3!=1.25.0,!=1.25.1,<1.26,>=1.21.1 in /us
Requirement already satisfied: certifi>=2017.4.17 in /usr/local/lib/python3.6
Requirement already satisfied: chardet<4,>=3.0.2 in /usr/local/lib/python3.6/
Requirement already satisfied: idna<3,>=2.5 in /usr/local/lib/python3.6/dist-
```

```
import requests
res=requests.get("https://api.covid19india.org/data.json")
```

```
ls
```

```
sample_data/
```

```
#Make a request to a web page, and return the status code:
```

```
import requests
res=requests.get("https://api.covid19india.org/csv/latest/state_wise.csv")
```

[+ Code](#)
[+ Text](#)

```
cd sample_data
```

```
/content/sample_data
```

```
res.status_code
```

```
200
```

```
# get help on requests.get
?requests.get
```

```
x = requests.get('https://w3schools.com/python/demopage.htm')
print(x.content)
```

```
b'<!DOCTYPE html>\r\n<html>\r\n<body>\r\n\r\n<h1>This is a Test Page</h1>\r\n
```

```
x = requests.get('https://w3schools.com/python/demopage.htm')
print(x.text)
```

```
<!DOCTYPE html>
<html>
<body>
```

```
<h1>This is a Test Page</h1>
```

```
</body>
</html>
```

```
## Try to visit and displly the AboutMe page of NIT delhi (https://nitdelhi.ac.in/?i
v = requests.get('https://nitdelhi.ac.in/?page_id=11945')
```

```
, request.get('https://naucshub.com/en/page_20_22012/'),
print(y.text)
```

```

        <li id="menu-item-15716" class="menu-item menu-item-type-post_type
        <li id="menu-item-18010" class="menu-item menu-item-type-post_type
        <li id="menu-item-19410" class="menu-item menu-item-type-custom menu
        <li id="menu-item-19726" class="menu-item menu-item-type-custom menu
    </ul>
</li>
<li id="menu-item-12624" class="menu-item menu-item-type-custom menu-item
<ul class="sub-menu">
    <li id="menu-item-14976" class="menu-item menu-item-type-post_type
    <li id="menu-item-15003" class="menu-item menu-item-type-post_type
    <li id="menu-item-16543" class="menu-item menu-item-type-post_type
    <li id="menu-item-20013" class="menu-item menu-item-type-custom menu
    <li id="menu-item-15014" class="menu-item menu-item-type-post_type
    <li id="menu-item-15264" class="menu-item menu-item-type-post_type
    <li id="menu-item-13625" class="menu-item menu-item-type-custom menu
    <li id="menu-item-13377" class="menu-item menu-item-type-post_type
</ul>
</li>
<li id="menu-item-13452" class="menu-item menu-item-type-custom menu-item
<ul class="sub-menu">
    <li id="menu-item-13393" class="menu-item menu-item-type-post_type
    <li id="menu-item-13392" class="menu-item menu-item-type-post_type
    <li id="menu-item-12047" class="menu-item menu-item-type-post_type
    <li id="menu-item-13391" class="menu-item menu-item-type-post_type
    <li id="menu-item-13389" class="menu-item menu-item-type-post_type
    <li id="menu-item-13390" class="menu-item menu-item-type-post_type
</ul>
</li>
<li id="menu-item-14550" class="menu-item menu-item-type-custom menu-item
<ul class="sub-menu">
    <li id="menu-item-19420" class="menu-item menu-item-type-custom menu
    <li id="menu-item-15228" class="menu-item menu-item-type-custom menu
    <li id="menu-item-16186" class="menu-item menu-item-type-post_type
    <li id="menu-item-14564" class="menu-item menu-item-type-post_type
    <li id="menu-item-14563" class="menu-item menu-item-type-post_type
    <li id="menu-item-14562" class="menu-item menu-item-type-post_type
    <li id="menu-item-14561" class="menu-item menu-item-type-post_type
    <li id="menu-item-15313" class="menu-item menu-item-type-post_type
    <li id="menu-item-15314" class="menu-item menu-item-type-post_type
    <li id="menu-item-15315" class="menu-item menu-item-type-post_type
    <li id="menu-item-14566" class="menu-item menu-item-type-custom menu
    <li id="menu-item-14624" class="menu-item menu-item-type-post_type
</ul>
</li>
<li id="menu-item-13453" class="menu-item menu-item-type-custom menu-item
<ul class="sub-menu">
    <li id="menu-item-12064" class="menu-item menu-item-type-post_type
    <li id="menu-item-16255" class="menu-item menu-item-type-post_type
    <li id="menu-item-12063" class="menu-item menu-item-type-post_type
</ul>
</li>
<li id="menu-item-15378" class="menu-item menu-item-type-post_type menu-i
</ul></div><div class="fusion-mobile-nav-holder"></div>
    <div class="search-table">
        <div class="search-field">
            <input type="text" value="" name="s" class="s" plac
        </div>
        <div class="search-button">
```

```
## Check the Status of this request
y.status_code
```

```
200
```

```
r2=requests.get('https://httpbin.org/')
r2.headers
```

```
{'Date': 'Mon, 11 Jan 2021 08:51:21 GMT', 'Content-Type': 'text/html; charset
```

```
r2=requests.get('https://httpbin.org/get')
r2.headers
```

```
{'Date': 'Mon, 11 Jan 2021 08:51:45 GMT', 'Content-Type': 'application/json',
```

```
r2.json()
```

```
{'args': {},
 'headers': {'Accept': '*/*',
 'Accept-Encoding': 'gzip, deflate',
 'Host': 'httpbin.org',
 'User-Agent': 'python-requests/2.23.0',
 'X-Amzn-Trace-Id': 'Root=1-5ffc11a1-2a81628248bdb11d41229126'},
 'origin': '35.190.182.245',
 'url': 'https://httpbin.org/get'}
```

```
import requests
url = 'https://api.covid19india.org/data.json'
x = requests.get(url)
print(x.json())
```

```
{'cases_time_series': [{'dailyconfirmed': '1', 'dailydeceased': '0', 'dailyre
```

```
payload={'user_name': 'admin', 'password': 'adminPassword'}
r3=requests.get('https://httpbin.org/get', params=payload)
```

```
r3.url
```

```
'https://httpbin.org/get?user_name=admin&password=adminPassword'
```

```
r3.json()
```

```
payload_chk={'force_login': 'admin', 'screen_name': 'Prakash'}
r4=requests.get('https://api.twitter.com/oauth/authenticate', params=payload_chk)
```

```
r3.json
```

<bound method Response.json of <Response [200]>>

r4.status\_code

403

r5=requests.get('https://api.covid19india.org/raw\_data7.json')

r5.headers

```
{'Connection': 'keep-alive', 'Content-Length': '362632', 'Server': 'GitHub.co
```

r5.status\_code

200

trry=r5.json()

type(trry)

dict

trry

```
numcases : 1 ,
'patientnumber': '',
'source1': 'https://t.me/Karnataka_KoViD19_Broadcast/4213',
'source2': '',
'source3': '',
'statecode': 'KA',
'statepatientnumber': 'KA-P6175',
'statuschangedate': '',
'typeoftransmission': ''},
{'agebracket': '',
'contractedfromwhichpatientsuspected': '',
'currentstatus': 'Recovered',
'dateannounced': '20/06/2020',
'detectedcity': '',
'detecteddistrict': 'Bengaluru Urban',
'detectedstate': 'Karnataka',
'entryid': '73042',
'gender': '',
'nationality': '',
'notes': '',
'numcases': '1',
'patientnumber': '',
'source1': 'https://t.me/Karnataka_KoViD19_Broadcast/4213',
'source2': '',
'source3': '',
'statecode': 'KA',
'statepatientnumber': 'KA-P6395',
'statuschangedate': '',
'typeoftransmission': ''},
{'agebracket': '',
'contractedfromwhichpatientsuspected': ''
```

```

    'contractedfromwhichpatientsuspected': '',
    'currentstatus': 'Recovered',
    'dateannounced': '20/06/2020',
    'detectedcity': '',
    'detecteddistrict': 'Chamarajanagara',
    'detectedstate': 'Karnataka',
    'entryid': '73043',
    'gender': '',
    'nationality': '',
    'notes': '',
    'numcases': '1',
    'patientnumber': '',
    'source1': 'https://t.me/Karnataka\_KoViD19\_Broadcast/4213',
    'source2': '',
    'source3': '',
    'statecode': 'KA',
    'statepatientnumber': 'KA-P5919',
    'statuschangedate': '',
    'typeoftransmission': ''},
    {'agebracket': '',
    'contractedfromwhichpatientsuspected': '',
    'currentstatus': 'Recovered',
    'dateannounced': '20/06/2020',
    'detectedcity': '',
    'detecteddistrict': 'Bagalkote',
    'detectedstate': 'Karnataka',
    'entryid': '73044',
    'gender': '',
    'nationality': '',

```

```

r2=requests.get('https://httpbin.org/get')
r2.headers

```

```

{'Date': 'Mon, 11 Jan 2021 09:00:02 GMT', 'Content-Type': 'application/json',

```

```

foo=r2.json
type(foo)

```

```

method

```

```

foo()

```

```

{'args': {},
 'headers': {'Accept': '*/*',
 'Accept-Encoding': 'gzip, deflate',
 'Host': 'httpbin.org',
 'User-Agent': 'python-requests/2.23.0',
 'X-Amzn-Trace-Id': 'Root=1-5ffc1392-03122198185f185e55724b15'},
 'origin': '35.190.182.245',
 'url': 'https://httpbin.org/get'}

```

```

# The post() method is used when you want to send some data to the server. But,
# ,→it can receive data too in response
# SYNTAX
# requests.post(url, data={key: value}, json={key: value}, args)
import requests

```

```
payload1={'name1': 'WWW', 'name2': '111'}
rr1=requests.post('https://httpbin.org/post',params=payload1)
```

```
rr1.status_code
```

```
200
```

```
rr1.url
```

```
'https://httpbin.org/post?name1=WWW&name2=111'
```

```
rr1.json()
```

```
{'args': {'name1': 'WWW', 'name2': '111'},
 'data': '',
 'files': {},
 'form': {},
 'headers': {'Accept': '*/*',
 'Accept-Encoding': 'gzip, deflate',
 'Content-Length': '0',
 'Host': 'httpbin.org',
 'User-Agent': 'python-requests/2.23.0',
 'X-Amzn-Trace-Id': 'Root=1-5ffc147e-206f4e2e21b8c4950635410a'},
 'json': None,
 'origin': '35.190.182.245',
 'url': 'https://httpbin.org/post?name1=WWW&name2=111'}
```

```
url = 'https://httpbin.org/post'
```

```
file_list = [
('image', ('nitd.jpeg',open('./nitd.jpeg', 'rb'), 'image/jpeg'))
]
```

```
#use the 'auth' parameter to send requests with HTTP Basic Auth:
```

```
r_post = requests.post(url, files=file_list)
```

```
r_post.status_code
```

```
r_post.text
```

```
type(r_post)
```

```
#handling time out
```

```
url='https://www.google.com'
```

```
requests.get(url, timeout=2.5)
```

```
?requests
```

```
custom_header={'laoaction': 'INDIA'}
```

```
r_c_h=requests.get('https://httpbin.org',headers=custom_header)
```

```
r_c_h.status_code
```

```
200
```

```
custom_header={'laoaction': 'INDIA'}
```

```
r_c_h=requests.get('https://httpbin.org',headers=custom_header)
```