1.What library is commonly used to make HTTP requests in Python?

A) http

B) requests

C) urllib

D) api

**Answer: B) requests**

2.Which HTTP method is typically used to retrieve data from an API?

A) POST

B) GET

C) DELETE

D) PUT

**Answer: B) GET**

3.What is the common format of data response from RESTful APIs?

A) XML

B) JSON

C) HTML

D) All of the above

**Answer: B) JSON**

4.Which parameter in the requests.get method is used to send data to an API as part of the URL?

A) data

B) json

C) params

D) headers

**Answer: C) params**

5.What status code indicates a successful HTTP request?

A) 404

B) 500

C) 200

D) 302

**Answer: C) 200**

6.Which of the following is a valid way to add an API key as a header in a requests.get call?

A) requests.get(url, headers={"API-Key": "your\_key"})

B) requests.get(url, auth={"API-Key": "your\_key"})

C) requests.get(url, params={"API-Key": "your\_key"})

D) requests.get(url, api\_key="your\_key")

**Answer: A) requests.get(url, headers={"API-Key": "your\_key"})**

7.What does the status\_code attribute of a response object represent?

A) The content type of the response

B) The encoding type of the response

C) The length of the response

D) The HTTP status of the response

**Answer: D) The HTTP status of the response**

8.Which method from the requests module should you use to send data to an API that requires JSON payload?

A) requests.post(url, json=data)

B) requests.put(url, data=data)

C) requests.send(url, json=data)

D) requests.request(url, data=data)

**Answer: A) requests.post(url, json=data)**

9.If an API returns a 401 status code, what does it typically mean?

A) The server encountered an error

B) The client made an invalid request

C) Unauthorized access

D) Resource not found

**Answer: C) Unauthorized access**

10.Which of the following is NOT a common field in an HTTP header used for API requests?

A) Content-Type

B) User-Agent

C) Content-Length

D) Timestamp

**Answer: D) Timestamp**

11.What does the allow\_redirects parameter do in a requests.get call?

A) Allows sending of additional cookies

B) Follows or doesn't follow HTTP redirects

C) Allows or blocks cross-site requests

D) Permits or denies retry attempts after failure

**Answer: B) Follows or doesn’t follow HTTP redirects**

12.How can you extract the headers from a response object in the requests library?

A) response.headers

B) response.get\_headers()

C) response.header

D) response.extract\_headers()

**Answer: A) response.headers**

13.When making a POST request to an API using the requests library, which of the following content types is incorrectly paired with its data parameter?

A) JSON - json=

B) URL-encoded form data - data=

C) Multipart form data - files=

D) Plain text - json=

**Answer: D) Plain text – json=**

14.What is the purpose of the timeout parameter in a requests.get call?

A) Sets the maximum time to keep the connection open

B) Specifies how long to wait for the server's response

C) Delays the request by a specified amount of time

D) Limits the number of retries after a failed request

**Answer: B) Specifies how long to wait for the server's response**

15.Which HTTP method is used to update a specific part of an existing resource on the server?

A) PATCH

B) PUT

C) POST

D) GET

**Answer: A) PATCH**