

School Library API - Chromium

Not secure | library.demo.local/api/v1/docs

School Library API

API access to the School Library - build your own apps using this API.

Authorize

/api/v1 Default namespace

DELETE /books/{id}

Parameters

Name Description

id * required Integer (path)

Responses

Code Description Response content type application/json

GET /books

Parameters

Name Description

includeISBN boolean (query) Include in the results the ISBN numbers. Default:false

sortBy string (query) Sort results using the specified parameter. Default:id

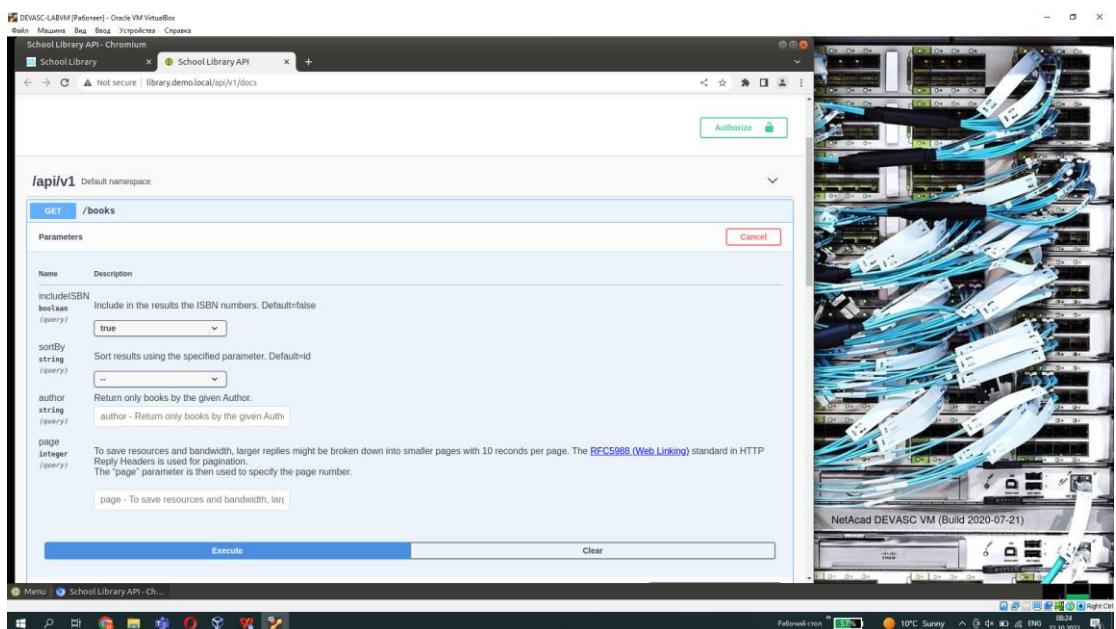
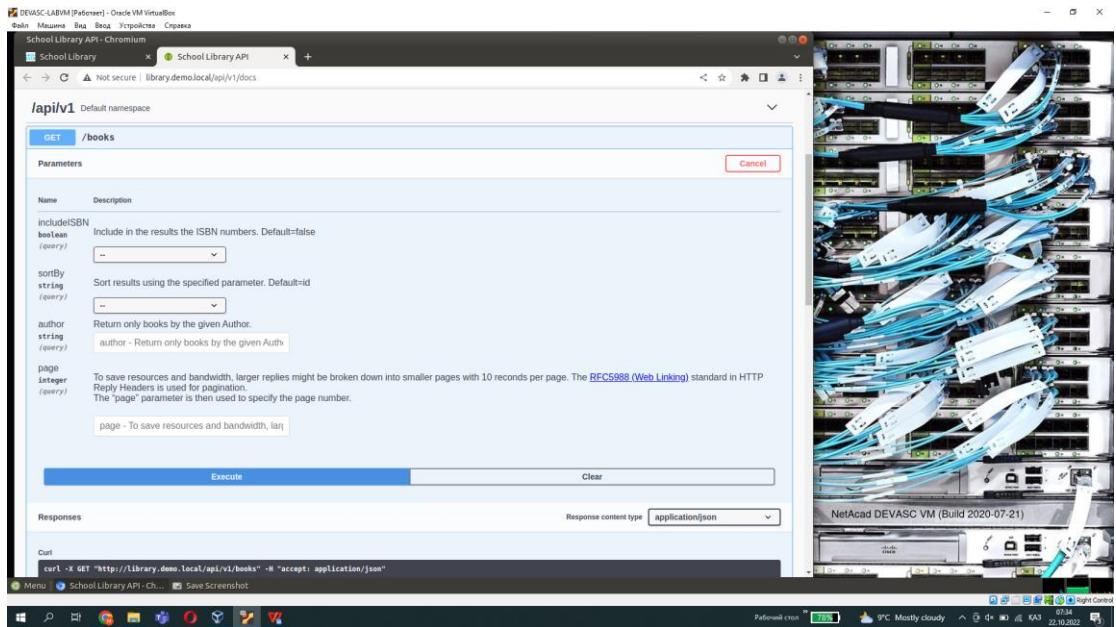
author string (query) Return only books by the given Author.

page integer (query) To save resources and bandwidth, larger replies might be broken down into smaller pages with 10 records per page. The [RFC5988 \(Web Linking\)](#) standard in HTTP Reply Headers is used for pagination. The "page" parameter is then used to specify the page number.

page - To save resources and bandwidth, larg

Execute

Responses Response content type application/json



DEVASC-LABVM [PfSense] - Oracle VM VirtualBox

School Library API - Chromium

School Library School Library API - Docs

Request URL: <http://library.demo.local/api/v1/books?includeISBN=true>

Server response

Code Details

200 Response body

```
[{"id": 0, "title": "IP Routing Fundamentals", "author": "Mark A. Spottack", "isbn": "978-1513787074"}, {"id": 1, "title": "Python for Dummies", "author": "Stef Marach Anja Marach", "isbn": "978-0471778646"}, {"id": 2, "title": "Linux for Networkers", "author": "Cisco Systems Inc.", "isbn": "067-0000000123"}, {"id": 3, "title": "NetAcad: 20 Years Of Online-Learning", "author": "Cisco Systems Inc.", "isbn": "008-0000001123"}]
```

Response headers

```
access-control-allow-origin: *
content-length: 599
content-type: application/json
date: Sat, 22 Oct 2022 02:24:03 GMT
server: Werkzeug/0.14.1 Python/3.8.10
```

Responses

Menu School Library API - Ch... Save Screenshot

DEVASC-LABVM [PfSense] - Oracle VM VirtualBox

School Library API - Chromium

School Library School Library API - Docs

POST /loginViaBasic

Parameters

No parameters

Sign in

http://library.demo.local

Your connection to this site is not private

Username: cisco

Password:

Cancel Sign In

Responses

Code Description

200 Success

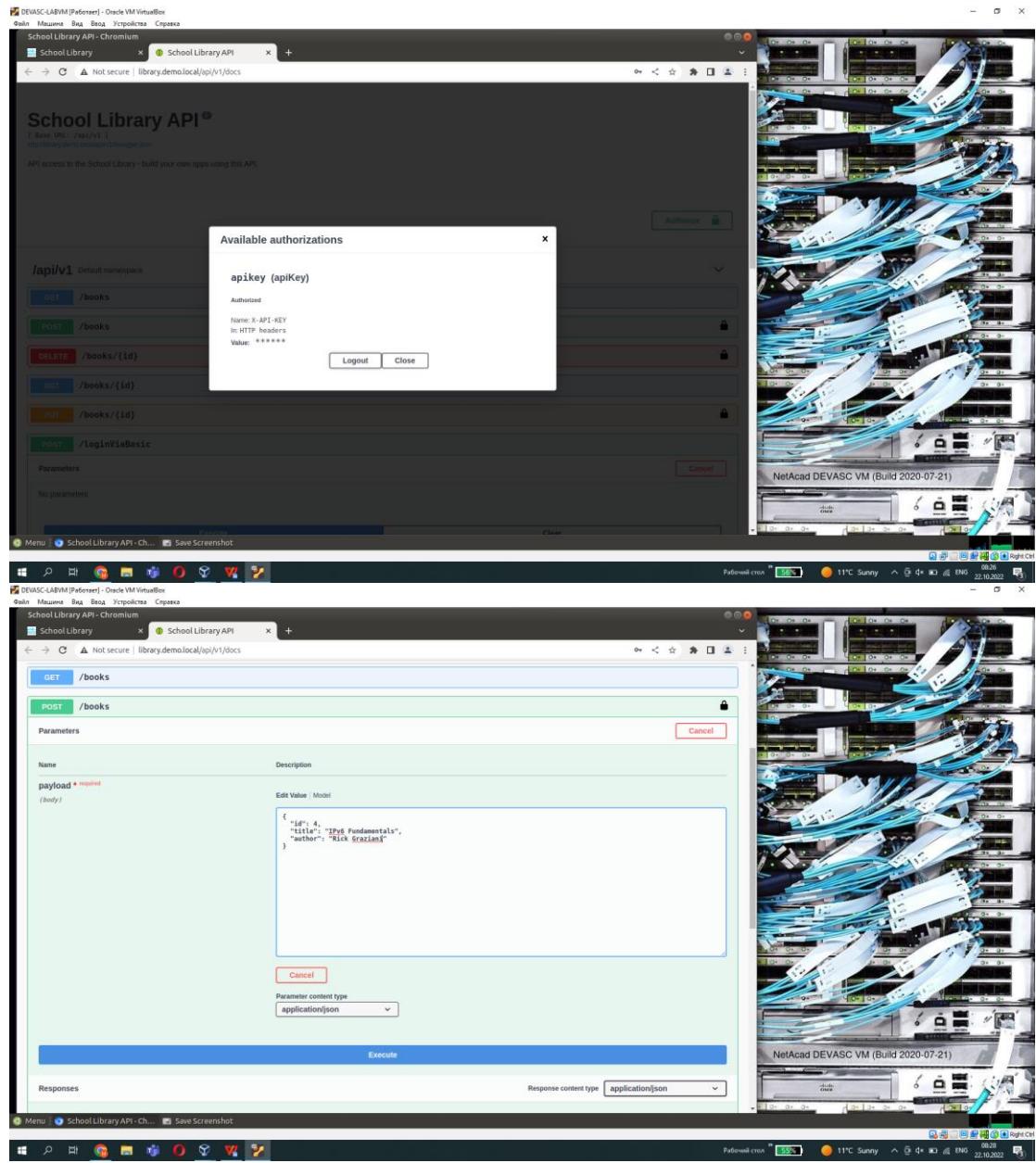
Headers:

Name	Description	Type
Authorization: Basic	BASE64 encoded username:password	string

POST /loginViaJSON

Models

Menu School Library API - Ch... Save Screenshot



DEVASC-LABVM [Pefennet] - Oracle VM VirtualBox

School Library API - Chromium

School Library x School Library API - Docs

Not secure | library.demo.local/api/v1/docs

Cancel

Parameter content type application/json

Execute Clear

Responses Response content type application/json

Curl

```
curl -X POST "http://library.demo.local/api/v1/books" -H "accept: application/json" -H "X-API-KEY: cisco3k1d#_a7_3b_jeatMpYl3v0K5bu2786ZchwJMs0pg" -H "Content-Type: application/json" -d '{"id": 4, "title": "IPv6 Fundamentals", "author": "Rick Graziani"}'
```

Request URL http://library.demo.local/api/v1/books

Server response

Code Details

200 Response body

```
{
  "id": 4,
  "title": "IPv6 Fundamentals",
  "author": "Rick Graziani"
}
```

Download Response headers

```
access-control-allow-origin: http://library.demo.local
content-length: 81
content-type: application/json
date: Sat, 22 Oct 2022 02:28:26 GMT
server: Werkzeug/0.14.1 Python/3.8.10
vary: origin
```

Responses

Menu School Library API - Ch... Save Screenshot

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School Library API - Chromium

School Library x School Library API - Docs

Not secure | library.demo.local/api/v1/docs

/api/v1 Default namespace

GET /books

POST /books

Parameters

Name Description

payload * required (body)

Edit Value Model

```
{
  "id": 5,
  "title": "31 Days Before Your CCNA Exam",
  "author": "Alan Johnson"
}
```

Cancel

Parameter content type application/json

Execute Clear

Responses Response content type application/json

Curl

```
curl -X POST "http://library.demo.local/api/v1/books" -H "accept: application/json" -H "X-API-KEY: cisco3k1d#_a7_3b_jeatMpYl3v0K5bu2786ZchwJMs0pg" -H "Content-Type: application/json" -d '{"id": 5, "title": "31 Days Before Your CCNA Exam", "author": "Alan Johnson"}'
```

Request URL http://library.demo.local/api/v1/books

Server response

Code Details

200 Response body

```
{
  "id": 5,
  "title": "31 Days Before Your CCNA Exam",
  "author": "Alan Johnson"
}
```

Download Response headers

```
access-control-allow-origin: http://library.demo.local
content-length: 81
content-type: application/json
date: Sat, 22 Oct 2022 02:28:26 GMT
server: Werkzeug/0.14.1 Python/3.8.10
vary: origin
```

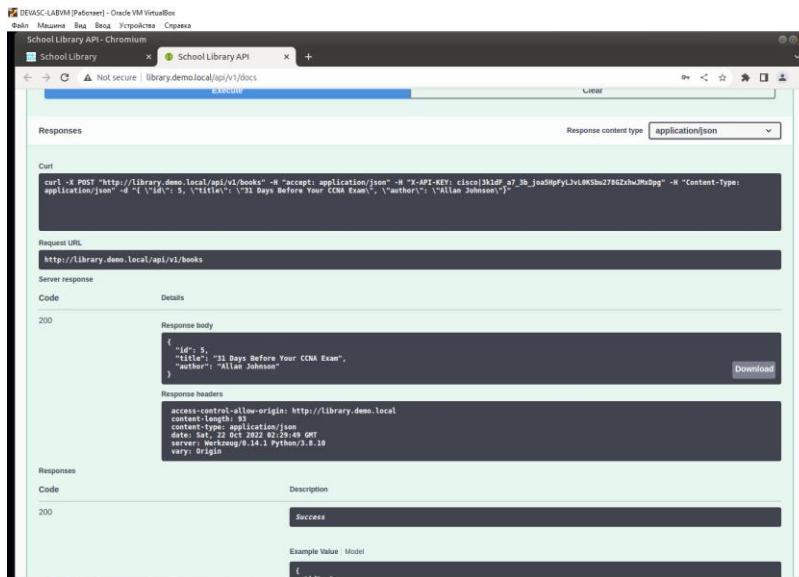
Responses

Menu School Library API - Ch... Save Screenshot



Rабочий стол 11°C Sunny 08:28 22.10.2022

Rабочий стол 11°C Sunny 08:29 22.10.2022



```
curl -X POST "http://library.demo.local/api/v1/books" -H "Accept: application/json" -H "X-API-KEY: cisco3kIdF_g7_3b_jouMpFyLjv0K5Mu278GZhw3Ns0pg" -H "Content-Type: application/json" -d '{"id": 5, "title": "31 Days Before Your CCNA Exam", "author": "Allan Johnson"}'
```

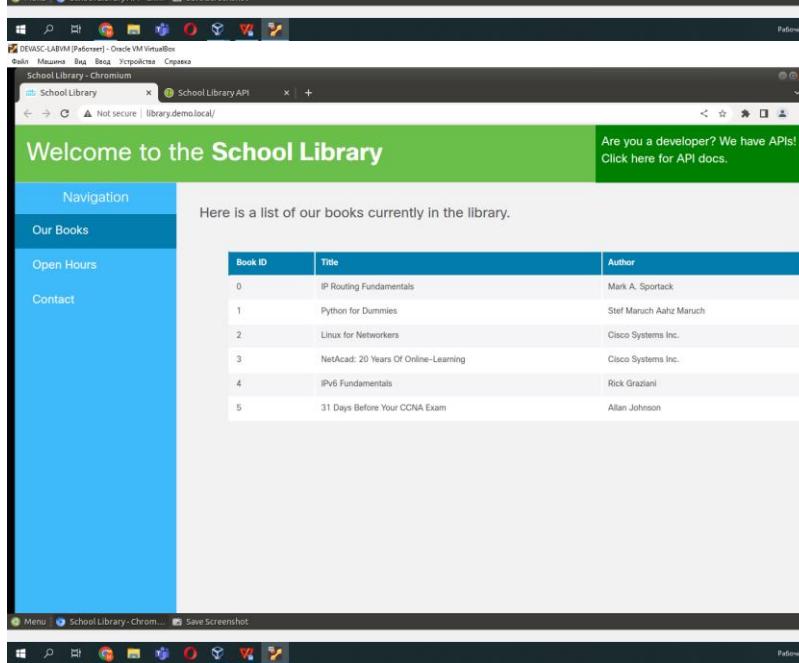
Responses

Request URL: <http://library.demo.local/api/v1/books>

Code	Details
200	Response body: <pre>{ "id": 5, "title": "31 Days Before Your CCNA Exam", "author": "Allan Johnson" }</pre> <p>Download</p> Response headers: <pre>access-control-allow-origin: http://library.demo.local content-type: application/json date: Sat, 22 Oct 2022 02:29:49 GMT server: Apache/2.4.18 Python/3.8.10 vary: Origin</pre>
200	Description: Success



NetAcad DEVASC VM (Build 2020-07-21)



Welcome to the School Library

Are you a developer? We have APIs! Click here for API docs.

Navigation

- Our Books
- Open Hours
- Contact

Here is a list of our books currently in the library.

Book ID	Title	Author
0	IP Routing Fundamentals	Mark A. Spertack
1	Python for Dummies	Stef Maruah Aahz Maruah
2	Linux for Networkers	Cisco Systems Inc.
3	NetAcad: 20 Years Of Online-Learning	Cisco Systems Inc.
4	IPv6 Fundamentals	Rick Graziani
5	31 Days Before Your CCNA Exam	Allan Johnson



NetAcad DEVASC VM (Build 2020-07-21)

School Library API - Chromium

Not secure | library.demo.local/api/v1/docs

Responses

Curl

```
curl -X GET "http://library.demo.local/api/v1/books?includeISBN=true" -H "accept: application/json"
```

Request URL

<http://library.demo.local/api/v1/books?includeISBN=true>

Server response

Code Details

200

Response body

```
[{"id": 1, "title": "Python for Dummies", "author": "Stef Harsh Ashz Harsh", "isbn": "978-0471778646"}, {"id": 2, "title": "Linux for Networkers", "author": "Cisco Systems Inc.", "isbn": "008-0000000123"}, {"id": 3, "title": "Netacad: 20 Years Of Online-Learning", "author": "Cisco Systems Inc.", "isbn": "008-0000000123"}, {"id": 4, "title": "IPv6 Fundamentals", "author": "Rick Graziani"}, {"id": 5, "title": "31 Days Before Your CCNA Exam", "author": "Atlas Johnson"}]
```

Download

Response headers

```
access-control-allow-origin: *
content-length: 140
content-type: application/json
date: Fri, 22 Oct 2021 08:32:45 GMT
```

School Library API - Chromium

Not secure | library.demo.local/api/v1/docs

GET /books/{id}

Parameters

Name	Description
id <small>required</small>	integer (path)

Execute Clear

Responses

Response content type application/json

Curl

```
curl -X GET "http://library.demo.local/api/v1/books/4" -H "accept: application/json"
```

Request URL

<http://library.demo.local/api/v1/books/4>

Server response

Code Details

200

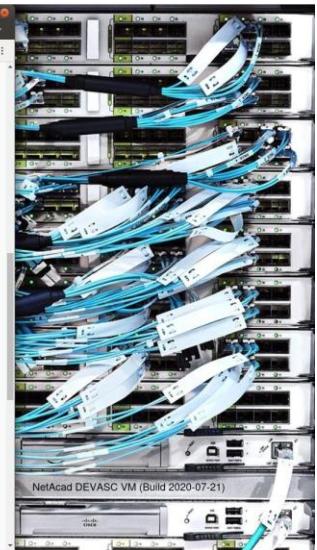
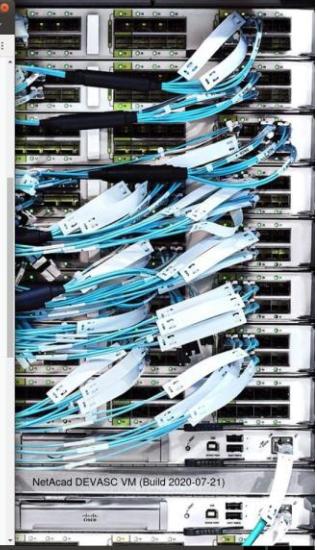
Response body

```
{"id": 4, "title": "IPv6 Fundamentals", "author": "Rick Graziani"}
```

Download

Response headers

```
access-control-allow-origin: *
content-length: 140
content-type: application/json
date: Fri, 22 Oct 2021 08:32:45 GMT
```

DEVASC-LABVM [Pfaffenr] - Oracle VM VirtualBox

School Library API - Chromium

School Library | School Library API - Docs

DELETE /books/{id}

Parameters

Name	Description
id <small>required</small> integer (path)	4

Execute Clear

Responses

Curl

```
curl -X DELETE "http://library.demo.local/api/v1/books/4" -H "accept: application/json" -H "X-API-KEY: cisco3kldF_a7_3b_jas5lspfyJvL0K5bu275GZshw2tscpg"
```

Request URL

<http://library.demo.local/api/v1/books/4>

Server response

Code Details

200

Response body

```
{
  "id": 4,
  "title": "IPv6 Fundamentals",
  "author": "Rick Grauman"
}
```

Download Response headers

DEVASC-LABVM [Pfaffenr] - Oracle VM VirtualBox

School Library API - Chromium

School Library | School Library API - Docs

Responses

Curl

```
curl -X GET "http://library.demo.local/api/v1/books?includeISBN=true" -H "accept: application/json"
```

Request URL

<http://library.demo.local/api/v1/books?includeISBN=true>

Server response

Code Details

200

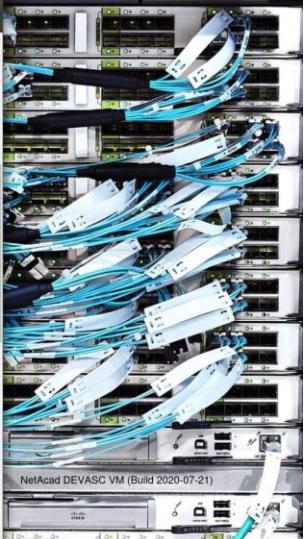
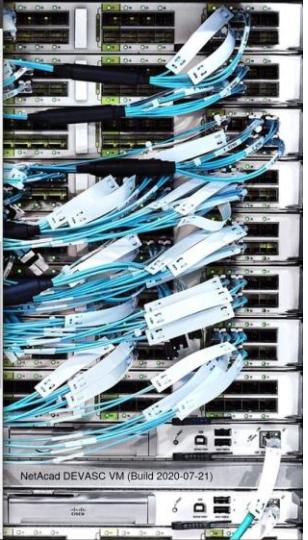
Response body

```
[
  {
    "id": 1,
    "title": "IP Routing Fundamentals",
    "author": "Mark A. Soperack",
    "isbn": "978-1578700714"
  },
  {
    "id": 1,
    "title": "Python for Dummies",
    "author": "Stef Marach Ahaz Marach",
    "isbn": "978-8471774646"
  },
  {
    "id": 2,
    "title": "Linux for Networkers",
    "author": "Cisco Systems Inc.",
    "isbn": "000-0000000123"
  },
  {
    "id": 3,
    "title": "NetAcad; 20 Years Of Online-Learning",
    "author": "Cisco Systems Inc.",
    "isbn": "000-0000000123"
  },
  {
    "id": 4,
    "title": "31 Days Before Your CCNA Exam",
    "author": "Alisan Johnson"
  }
]
```

Download Response headers

access-control-allow-origin: *
content-length: 213
content-type: application/json

Menu School Library API - Ch...

The screenshot shows the Postman Launchpad interface. On the left, there's a sidebar with sections for 'Start something new' (Create a request, Create a collection, Create an environment, Create an API), 'Customize' (Dark mode, Enable Launchpad, More settings), and 'What's new with Postman' (Postman v10 is here!, All New Private API Network!). The main area displays a template for an 'Untitled Request' with a 'GET' method. The 'Params' tab is selected, showing a single query parameter 'Key' with a value 'Value'. The 'Headers' tab lists '(E)' items. Below the request details is a 'Response' section containing a placeholder image of a person at a computer and the text 'Hit Send to get a response'. The top navigation bar includes 'File', 'Edit', 'View', 'Help', and tabs for 'Launchpad', 'Collections', 'APIs', and 'Save Responses'. The status bar at the bottom shows system information like battery level, temperature, and date.

DEVASC-LABVM [Postman] - Oracle VM VirtualBox

File Меню Вид Вход Устройства Справка

Postman

+ New Import Runner Filter

My Workspace Invite

Launchpad Untitled Request

GET http://library-demo.local/api/v1/books

Params Authorization Headers Body Pre-request Script Tests Settings

Query Params

KEY	VALUE	DESCRIPTION
Key	Value	Description

Send Save Cookies Code

Body Cookies Headers Test Results

Pretty Raw Preview Visualize JSON

```
1 [
2   {
3     "id": 0,
4     "title": "IP Routing Fundamentals",
5     "author": "Mark A. Spottack"
6   },
7   {
8     "id": 1,
9     "title": "Python for Dummies",
10    "author": "Stef Harach Aahz Harach"
11  },
12  {
13    "id": 2,
14    "title": "TCP/IP Illustrated, Volume 1: The Protocols"
15  }
]
```

Find and Replace Console

Menu School Library API - Ch... Postman

Bootcamp 11°C Sunny 08:42 22.10.2022

DEVASC-LABVM [Postman] - Oracle VM VirtualBox

File Меню Вид Вход Устройства Справка

Postman

+ New Import Runner Filter

My Workspace Invite

Launchpad Untitled Request

POST http://library-demo.local/api/v1/login/basic

Params Authorization Headers Body Pre-request Script Tests Settings

TYPE Basic Auth

The authorization header will be automatically generated when you send the request. Learn more about authorization

Username cisco

Password Show Password

Body Cookies Headers Test Results

Pretty Raw Preview Visualize JSON

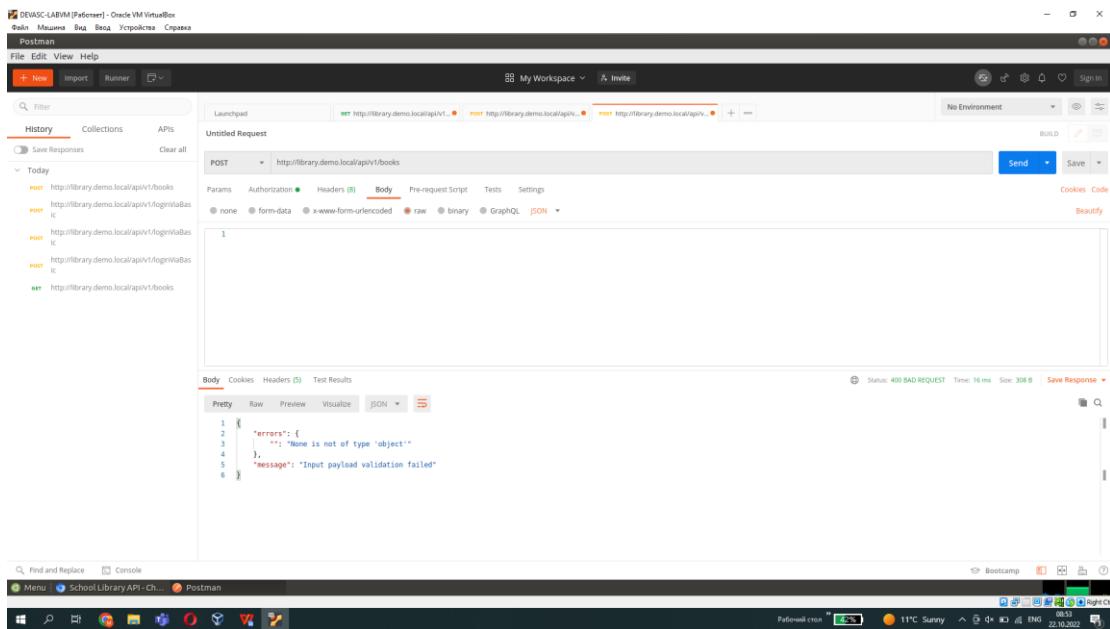
```
1 {
2   "token": "cisco|6cTEEfXnq_wQFPr4zEARQellheN38ePqQTJyKxtE5bo"
3 }
```

Find and Replace Console

Menu School Library API - Ch... Postman

Bootcamp 11°C Sunny 08:47 22.10.2022

"token": "cisco|6cTEEfXnq_wQFPr4zEARQellheN38ePqQTJyKxtE5bo"



The screenshot shows the Postman application interface. A POST request is being made to `http://library.demo.local/api/v1/books`. The request body is JSON:

```
1 {
2     "id": 4,
3     "title": "IPv6 Fundamentals",
4     "author": "Rick Graziani",
5     "isbn": "978 158144778"
6 }
```

The response status is 400 BAD REQUEST, with a message: "Input payload validation failed".

The screenshot shows the Postman application interface. A POST request is being made to `http://library.demo.local/api/v1/books`. The request body is JSON:

```
1 {
2     "id": 4,
3     "title": "IPv6 Fundamentals",
4     "author": "Rick Graziani"
5 }
```

The response status is 200 OK.

DEVASC-LABVM [Postman] - Oracle VM VirtualBox

File Edit View Help

Postman

+ New Import Runner

History Collections APIs

Save Responses Clear all

Untitled Request

GET http://library.demo.local/api/v1/books

Params Authorization Headers Body Pre-request Script Tests Settings

Query Params

KEY	VALUE	DESCRIPTION
Key	Value	Description

Send Save Cookies Code

Body Cookies Headers Test Results

Pretty Raw Preview Visualize JSON

```

28     "author": "Cisco Systems Inc."
29   },
30   {
31     "id": 4,
32     "title": "IPv6 Fundamentals",
33     "author": "Rick Graziani"
34   },
35   {
36     "id": 5,
37     "title": "31 Days Before Your CCNA Exam",
38     "author": "Allan Johnson"
39   }
40 ]
41
42 }
```

Status: 200 OK Time: 6 ms Size: 859 B Save Response

Find and Replace Console

Menu School Library API - Chromium Postman

School Library API Chromium

School Library x School Library API

GET /books

Parameters

Name Description

includeISBN boolean (query) Include in the results the ISBN numbers. Default:false true

sortBy string (query) Sort results using the specified parameter. Default:id author

author string (every) Return only books by the given Author. author - Return only books by the given Authr

page integer (every) To save resources and bandwidth, larger replies might be broken down into smaller pages with 10 records per page. The [RFC5988 \(Web Linking\)](#) standard in HTTP Reply Headers is used for pagination. The "page" parameter is then used to specify the page number. page - To save resources and bandwidth, larg

Execute Clear

Responses

Response content type application/json

Curl

```
curl -X GET "http://library.demo.local/api/v1/books?includeISBN=true&sortBy=author" -H "accept: application/json"
```

DEVASC-LABVM [Postman] - Oracle VM VirtualBox

School Library API - Chromium

School Library

Not secure | library.demo.local/api/v1/docs

Curl

```
curl -X GET "http://library.demo.local/api/v1/books?includeISBN=true&sortBy=author" -H "accept: application/json"
```

Request URL

<http://library.demo.local/api/v1/books?includeISBN=true&sortBy=author>

Server response

Code Details

200 Response body

```
[
  {
    "id": 5,
    "title": "31 Days Before Your CCNA Exam",
    "author": "Alisan Johnson"
  },
  {
    "id": 2,
    "title": "Linux for Networkers",
    "author": "Cisco Systems Inc.",
    "isbn": "000-0000000123"
  },
  {
    "id": 3,
    "title": "Netacad: 20 Years Of Online-Learning",
    "author": "Cisco Systems Inc.",
    "isbn": "000-0000000123"
  },
  {
    "id": 8,
    "title": "IP Routing Fundamentals",
    "author": "Mark A. Spottack",
    "isbn": "978-1578700714"
  },
  {
    "id": 4,
    "title": "IPv6 Fundamentals",
    "author": "Rick Graziani"
  }
]
```

Download

Responses

Code Details

200 Response body

```
access-control-allow-origin: *
content-length: 848
content-type: application/json
date: Mon, 22 Oct 2023 09:56:18 GMT
server: Werkzeug/0.14.1 Python/3.8.10
```

Responses

Menu School Library API - Ch... Postman

DEVASC-LABVM [Postman] - Oracle VM VirtualBox

Postman

File Edit View Help

+ New Import Runner

My Workspace

Launched

Untitled Request

GET http://library.demo.local/api/v1/books?includeISBN=true&sortBy=author

Params Authorization Headers (0) Body Pre-request Script Tests Settings

Query Params

KEY	VALUE	DESCRIPTION
includeISBN	true	
sortBy	author	

Send Save Cookies Code

Body Cookies Headers Test Results

Pretty Raw Preview visualize JSON

Status: 200 OK Time: 6 ms Size: 859 B Save Response

Find and Replace Console

DEVASC-LABVM [Postman] - Oracle VM VirtualBox

Postman

File Edit View Help

+ New Import Runner

My Workspace

Launched

Untitled Request

GET http://library.demo.local/api/v1/books?includeISBN=true&sortBy=author

Params Authorization Headers (0) Body Pre-request Script Tests Settings

Query Params

KEY	VALUE	DESCRIPTION
includeISBN	true	
sortBy	author	

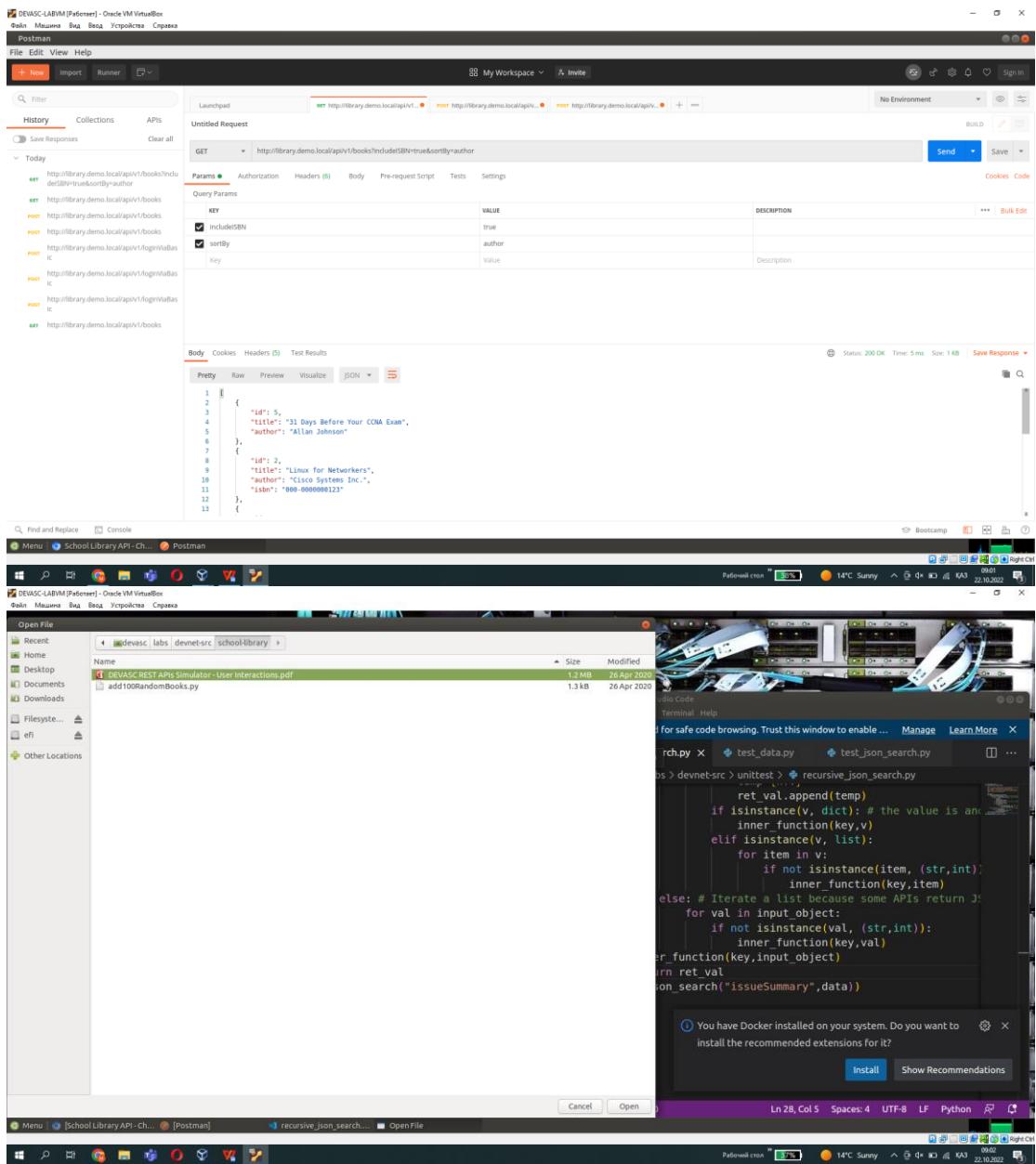
Send Save Cookies Code

Body Cookies Headers Test Results

Pretty Raw Preview visualize JSON

Status: 200 OK Time: 6 ms Size: 859 B Save Response

Find and Replace Console





The image shows a server rack with multiple network switches and servers. Numerous blue and black cables are visible, connecting the devices. The rack is labeled "NetAcad DEVASC VM (Build 2020-07-21)".

DEVASC-LABVM [Powershell] - Oracle VM VirtualBox

File Edit Selection View Go Run Terminal Help

Restricted Mode is intended for safe code browsing. Trust this window to enable all features. Manage Learn More

add100RandomBooks.py X

home > devasc > labs > devnet-src > school-library > add100RandomBooks.py

```
1 #!/usr/bin/env python
2
3 import requests
4 import json
5 from faker import Faker
6
7
8 APIHOST = "http://library.demo.local"
9 LOGIN = "cisco"
10 PASSWORD = "Cisco123!"
11
12 def getAuthToken():
13     authCreds = (LOGIN, PASSWORD)
14     r = requests.post(
15         f'{APIHOST}/api/v1/loginViaBasic",
16         auth = authCreds
17     )
18     if r.status_code == 200:
19         return r.json()["token"]
20     else:
21         raise Exception(f"Status code {r.status_code} and text {r.text}, while trying to Auth.")
22
23 def addBook(book, apiKey):
24     r = requests.post(
25         f'{APIHOST}/api/v1/books",
26         headers = {
27             "Content-type": "application/json",
28             "Authorization": f"Bearer {getAuthToken()}"
29         },
30         json = book
31     )
32     if r.status_code == 200:
33         return r.json()
34     else:
35         raise Exception(f"Status code {r.status_code} and text {r.text}, while trying to add Book {book['title']}")
36
37
38 if __name__ == "__main__":
39     books = [
40         {
41             "title": "Python Crash Course",
42             "author": "Eric Matthes",
43             "year": 2015,
44             "category": "Programming"
45         },
46         {
47             "title": "The Big Bang Theory: The Official Companion Guide to the Hit CBS Series",
48             "author": "David Wainbaum, Michael Stern",
49             "year": 2012,
50             "category": "Entertainment"
51         },
52         {
53             "title": "The Martian: A Novel",
54             "author": "Andy Weir",
55             "year": 2011,
56             "category": "Science Fiction"
57         },
58         {
59             "title": "The Hobbit: An Unexpected Journey (Movie Tie-in Edition) (The Hobbit, Book 1)",
60             "author": "J.R.R. Tolkien",
61             "year": 2012,
62             "category": "Fantasy"
63         },
64         {
65             "title": "The Windup Girl: A Novel",
66             "author": " Paolo Bacigalupi",
67             "year": 2009,
68             "category": "Science Fiction"
69         },
70         {
71             "title": "The Martian: A Novel",
72             "author": "Andy Weir",
73             "year": 2011,
74             "category": "Science Fiction"
75         },
76         {
77             "title": "The Hobbit: An Unexpected Journey (Movie Tie-in Edition) (The Hobbit, Book 1)",
78             "author": "J.R.R. Tolkien",
79             "year": 2012,
80             "category": "Fantasy"
81         },
82         {
83             "title": "The Windup Girl: A Novel",
84             "author": " Paolo Bacigalupi",
85             "year": 2009,
86             "category": "Science Fiction"
87         },
88     ]
89     for book in books:
90         addBook(book, apiKey)
```

You have Docker installed on your system. Do you want to install the recommended extensions for it?

Install Show Recommendations

Ln 1, Col 1 Spaces: 4 UTF-8 LF Python

Menu [School Library API-Ch... [Postman] add100RandomBooks... devasc@labvm: ~/labs... 14°C Sunny 22.10.2022

DEVASC-LABVM [Powershell] - Oracle VM VirtualBox

File Edit View Search Terminal Help

devasc@labvm: ~/labs/devnet-src/school-library

python3 -m venv venv

python3 -m venv venv

Type "help", "copyright", "credits" or "license" for more information.

>>> from faker import Faker

>>> fake = Faker()

>>> fake.name()

Display all 252 possibilities? (y or n)

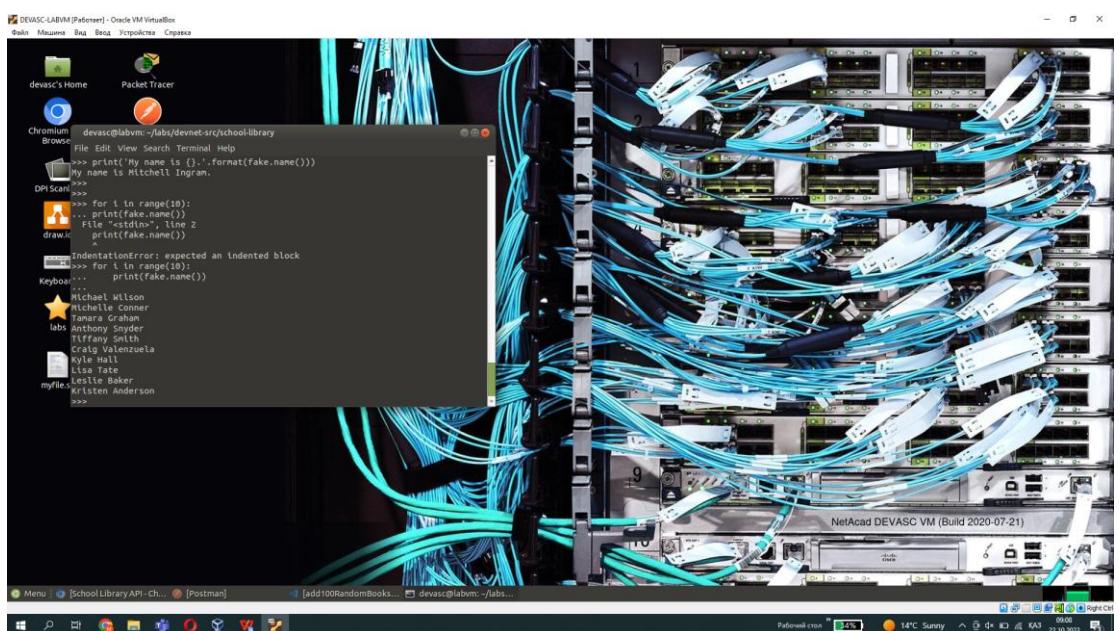
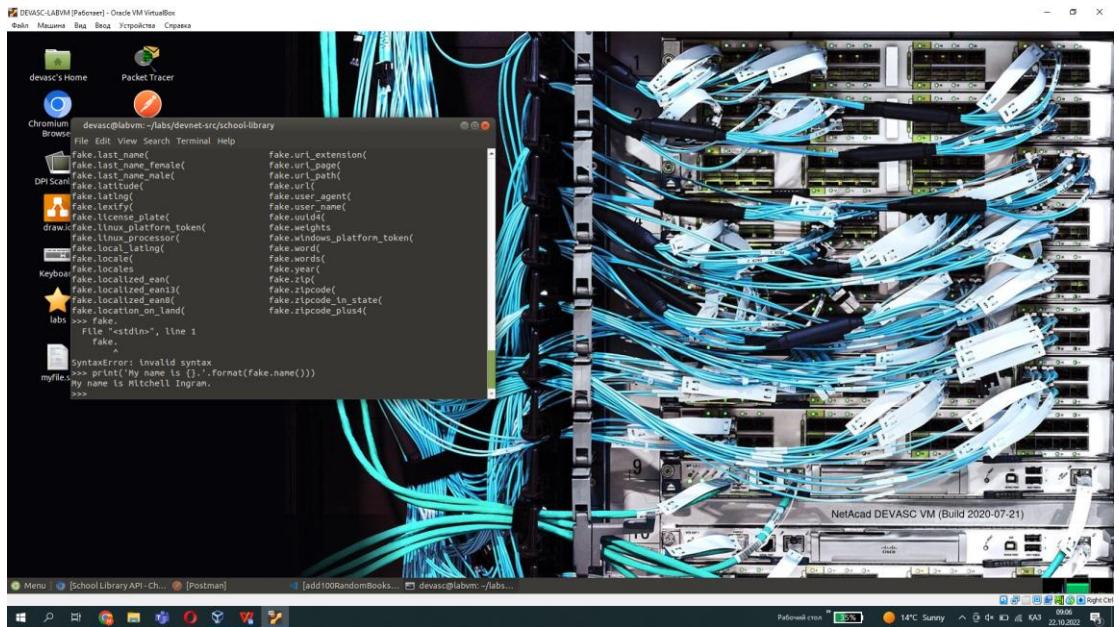
fake.add_provider(fake.longitude(fake.address(fake.mac_address(fake.mac_platform_token(fake.nac_processor(fake.md5(fake.military_app(fake.military_dpo(fake.military_ship(fake.military_state(fake.military_type(fake.month(fake.month_name(fake.ns1drc(fake.name(fake.name_female(

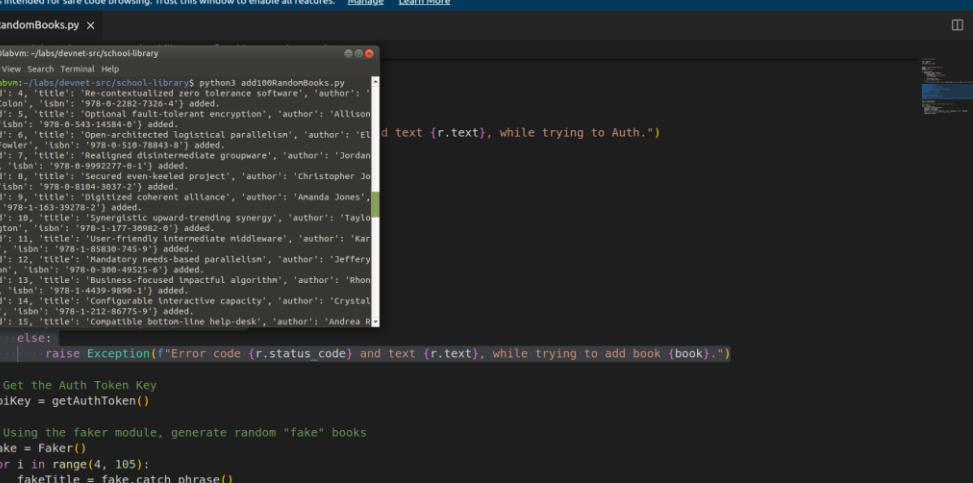
Keyboard

labs

myfiles

Menu [School Library API-Ch... [Postman] add100RandomBooks... devasc@labvm: ~/labs... 14°C Sunny 22.10.2022





```
dev@devlabvm:~/labs/devnet-sr/school-library$ python3 add100RandomBooks.py
Book ('id': 1, 'title': 'Re-contextualized zero tolerance software', 'author': 'Brandon Colon', 'isbn': '978-0-2282-7326-4') added.
Book ('id': 2, 'title': 'Inherently compliant encryption', 'author': 'Allison Bell', 'isbn': '978-0-543-14584-8') added.
Book ('id': 3, 'title': 'Optimized architectural parallelism', 'author': 'Elizabeth Fowler', 'isbn': '978-0-519-78843-8') added.
Book ('id': 4, 'title': 'Secured even keeled project', 'author': 'Jordan Cooper', 'isbn': '978-0-992778-9-1') added.
Book ('id': 5, 'title': 'Digitally coherent alliance', 'author': 'Amanda Jones', 'isbn': '978-1-63-39278-2') added.
Book ('id': 6, 'title': 'Synergistic upward-trending synergy', 'author': 'Taylor Hansen', 'isbn': '978-1-44-23212-8') added.
Book ('id': 7, 'title': 'User-friendly intermediate middleware', 'author': 'Karla Castro', 'isbn': '978-1-85830-745-9') added.
Book ('id': 8, 'title': 'Mandatory needs-based parallelism', 'author': 'Jeffery Hemmingsen', 'isbn': '978-1-44-23212-8') added.
Book ('id': 9, 'title': 'Business-focused impactful algorithm', 'author': 'Rhonda Frye', 'isbn': '978-1-4493-9890-1') added.
Book ('id': 10, 'title': 'Inherently interactive capacity', 'author': 'Crystal Johnson', 'isbn': '978-1-210-0775-9') added.
Book ('id': 11, 'title': 'Compatible bottom-line help-desk', 'author': 'Andrea R...
34     else:
35         raise Exception(f"Error code {r.status_code} and text {r.text}, while trying to add book {book}.")
36
37 # Get the Auth Token Key
38 apiKey = getAuthToken()
39
40 # Using the faker module, generate random "fake" books
41 fake = Faker()
42 for i in range(4, 105):
43     fakeTitle = fake.catch_phrase()
```