Lab 10 aNSWER sHEET

Term

# Working with APIs

## Learning Outcomes

Learn how to use the curl command line tool to interact with APIs. Create a small requests collection in postman. Use the python requests package to perform API calls. Create a GitHub repository for a script that tells a random joke.

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| Notes |
| * Dad Joke API * Host: http://icanhazdadjoke.com |
| * Chuck Norris Joke API (WARNING EXPLICIT CONTENT!!!!)   + I was unaware that this joke API has explicit jokes, but they are “better” jokes than the dad joke API which are in my opinion corny. If you are okay with explicit jokes, I would check out this one. * Host: https://api.icndb.com * URI: /jokes/random |
| * JavaScript to copy return value to variable for Postman Environment Variables   + var jsonData = JSON.parse(responseBody); |
| * JavaScript to assign to postman variable available on “Set Environment Variable” |

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| Tips and Tricks |
| * The API calls used in this lab are meant to be educational. Do not worry about breaking the servers or anything like that. There is nothing you can break on the joke servers except getting a failed response from the server. |

## Commands and Options

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| Basic Name | Command | Brief |
| curl | curl | performs a http GET method request against the URL that was passed into the command |
| verbose output | curl -vv | view the request verbosely printing everything to the console. |
| header | curl -H | add information to your HTTP header |

## Error Handling for Network Device Backup Script

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| Lab Screenshots  Your screenshots should be clearly visible as I need to and be able to see the commands you entered along with the output. If I cannot see the commands, output, or the screenshot is too small for me to make it out it will NOT be counted.  For each requirement I need to see your code and the output of your code. Do not do all the requirements at once. Give yourself room to practice each requirement and know the difference in the options asked from you. |
| curl   * Use curl to retrieve a joke of your choice (3) * Specify the header option of “Accept: application/json” in the request (3) * Execute the request verbosely (3) |
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| Postman (Joke)   * Create a Postman Collection * Create a folder for your joke requests * Create a request for a joke site of your choice |
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| Python   * Use the requests module to perform an API call that retrieves a random joke and prints a message to the terminal for the user along with the joke * Create a requirements.txt file for any python packages required to recreate the project |
| C:\Users\inn\Desktop\Intern Projects\april\3\lab 10\6.png  C:\Users\inn\Desktop\Intern Projects\april\3\lab 10\7.png  C:\Users\inn\Desktop\Intern Projects\april\3\lab 10\8.png  C:\Users\inn\Desktop\Intern Projects\april\3\lab 10\9.png  C:\Users\inn\Desktop\Intern Projects\april\3\lab 10\10.png  C:\Users\inn\Desktop\Intern Projects\april\3\lab 10\11.png |
| GitHub   * Create an empty GitHub repository for the joke API request complete with a README file * Clone the empty repository to the SDN VM * Copy your code and requirements file to the repository * Stage your changes * Commit your changes with an initial commit message * Confirm there are no more changes needed before the push with the appropriate command * Push the changes to your repository * Include a link to your repository where I can clone your repository and recreate your API call and get a joke. |
| <https://github.com/AIKhan099/Working-with-API> |

# Feedback

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| Feedback Questionnaire |
| What did you think about the assignment? |
| It was very informative |
| What was your favorite part? |
| Getting jokes using Postman was my favorite part. |
| What was your least favorite part? |
| Uploading code on github and accomlishing sub task regarding git hub was very problematic. |
| How long did it take you to complete the assignment? |
| 3 hours |
| Did you find any errors whether they be technical or spelling? |
| No, I didn’t ind any. |
| Did you learn anything? |
| Yes, I learned that how we can get information using API. |