

Course Tools Module

Allegretta, Chris, et. al. "The GNU nano text editor home page." *nano-editor*. 18 Feb. 2022. https://www.nano-editor.org/.

Anaconda, Inc. "Anaconda Individual Edition." *Anaconda*. 2021. http://www.anaconda.com/download.

Anaconda, Inc. "Privacy Policy." Anaconda. 2021. https://www.anaconda.com/privacy-policy.

Apache NiFi Team. "Getting Started with Apache NiFi." *Apache NiFi*. 2021. https://nifi.apache.org/docs/nifi-docs/html/getting-started.html.

Apache Software Foundation. "Apache Hadoop." *Apache Hadoop.* 2022. https://hadoop.apache.org/.

Apache Software Foundation. "Apache Kafka." Kafka. 2017. https://kafka.apache.org/.

Apache Software Foundation. "Apache NiFi." Apache NiFi. 2018. https://nifi.apache.org/.

Apache Software Foundation. "Feather File Format." *Apache Arrow.* 2022. https://arrow.apache.org/docs/python/feather.html.

Apache Software Foundation. "Unified engine for large-scale data analytics." *Apache Spark*. 2018. https://spark.apache.org/.

Apache Spark. "PySpark Documentation." *Apache Spark*. Accessed 8 Mar. 2022. https://spark.apache.org/docs/latest/api/python/.

Apache Spark. "Quick Start." *Apache Spark*. Accessed 5 January 2022. https://spark.apache.org/docs/latest/quick-start.html.

Blizzard Entertainment. "node-rdkafka - Node.js wrapper for Kafka C/C++ library." *npm.* 2016. https://www.npmjs.com/package/node-rdkafka.

Bostock, Mike. "D3 Data-Driven Documents." D3. 2021. https://d3js.org/.

Bostock, Mike. "Gallery." Observable. 4 Feb. 2020. https://observablehq.com/@d3/gallery.

Burke, K., Kyle Conroy, Ryan Horn, Frank Stratton, and Guillaume Binet. "Flask RESTful." *Flask-RESTful.* 2020. https://flask-restful.readthedocs.io/en/latest/.

Codio. "Legal Stuff." 2020. Codio. https://www.codio.com/legal-stuff.

Collabnix. "The Ultimate Docker Cheat Sheet." *Dockerlabs*. 2021. https://dockerlabs.collabnix.com/docker/cheatsheet/.

Curl contributors. "curl://." curl. Accessed December 1, 2021. https://curl.se/.



Dask core developers. "DASK." Dask. 2019. https://dask.org/.

Dask Developers. "DASK Tutorial Documentation." *DASK*. 2018. https://tutorial.dask.org/00_overview.html.

Databricks. "Apache Spark." Databricks. 2022. https://databricks.com/spark/about.

Debezium Community. "Debezium." *Debezium*. 2022. https://debezium.io/.

De Vitis, L. "A Lorem Ipsum text generator." *Python.* 11 Sept. 2014. https://loremipsum.readthedocs.io/en/latest/.

Docker Inc. "Docker Overview." *Docker Docs.* 2021. https://docs.docker.com/get-started/overview/.

Docker Inc. "Install Docker Desktop on Mac." *Docker Docs.* 2021. https://docs.docker.com/desktop/mac/install/.

Docker Inc. "Install Docker Desktop on Windows." *Docker Docs*. 2021. https://docs.docker.com/desktop/windows/install/.

Eclipse Foundation. "Eclipse Mosquitto: An Open Source MQTT Broker." *Eclipse Foundation*. Accessed 25 Feb. 2022. https://mosquitto.org/.

Eclipse Foundation. "Eclipse Paho." *Eclipse Foundation*. https://www.eclipse.org/paho/index.php?page=clients/python/index.php.

Fette, Ian, and Alexey Melnikov. "The WebSocket Protocol." *RFC 6455*. Dec. 2011. https://datatracker.ietf.org/doc/html/rfc6455.

"Flask-JWT-Extended's Documentation." *Flask-JWT-Extended*. 2021. https://flask-jwt-extended.readthedocs.io/en/stable/.

Free Software Foundation, Inc. "GNU Wget." *GNU*. 2017. https://www.gnu.org/software/wget/.

Git. "Git: Distributed is the New Centralized." Git. 2021. https://git-scm.com/.

GitHub, Inc. "Generating a new SSH key and adding it to the ssh-agent." *GitHub Docs*. 2021. https://docs.github.com/en/github/authenticating-to-github/connecting-to-github-with-ssh/generating-a-new-ssh-key-and-adding-it-to-the-ssh-agent.

GitHub, Inc. "GitHub: Where the World Builds Software." GitHub. 2021. https://github.com/.

GitHub, Inc. "notebook.js v0.6.7." GitHub. 2022. https://github.com/jsvine/notebookjs.

Google Colab. "Welcome to Colab!" *Google Colab*. Accessed 7 Feb. 2022. https://colab.research.google.com/.



Howell, M. "Homebrew: The Missing Package Manager for macOS (or Linux)." *Homebrew*. 2022. https://brew.sh/.

Jameson, Mark. "A Brief Overview of the Web Socket Protocol." *Mark Jameson*. 2017. https://noio-ws.readthedocs.io/en/latest/overview_of_websockets.html.

johntango. "johnKafka." GitHub. 2022. https://github.com/johntango/johnKafka.

jsvine. "notebook.js." GitHub. 29 Jun. 2021. https://github.com/jsvine/notebookjs.

Jupyter. "Jupyter." Jupyter. 2022. https://jupyter.org/.

Jupyter. "Privacy." Jupyter Community Forum. 2013. https://discourse.jupyter.org/privacy.

Linuxize. "Curl Command in Linux with Examples." *Linuxize*. 2021. https://linuxize.com/post/curl-command-examples/.

Linuxize. "How to Use Nano, the Linux Command Line Text Editor." *Linuxize*. 2021. https://linuxize.com/post/how-to-use-nano-text-editor/.

Mapbox. "Maps and location for developers." *Mapbox*. Accessed Mar. 8 2022. https://www.mapbox.com/.

Microsoft. "Download Visual Studio Code." *Visual Studio Code*. 2021. https://code.visualstudio.com/download.

Microsoft Archive. "Redis 3.0.504." *GitHub*. 2016. https://github.com/microsoftarchive/redis/releases/tag/win-3.0.504.

MQTT. "MQTT: The Standard for IoT Messaging." MQTT. 2022. https://mqtt.org/.

NLTK Project. "Natural Language Toolkit." NLTK. 9 Feb. 2022. https://www.nltk.org/.

Numfocus. "Pandas." pandas. 2022. https://pandas.pydata.org/.

NumPy. "NumPy." NumPy. 2021. https://numpy.org/.

OpenJS Foundation. "NodeJS." NodeJS. Accessed October 21, 2021. https://nodejs.org/en/.

Oracle. "Oracle Java." Oracle. 2021. https://www.oracle.com/java/.

Oracle. "Download Java for Windows." *Java*. 2021. https://www.java.com/download/ie_manual.jsp.

Oracle. "How do I uninstall Java on my Mac?" *Java*. 2021. https://www.java.com/en/download/help/mac_uninstall_java.html.



Oracle. "Privacy @ Oracle." Oracle. 2021.

 $https://www.oracle.com/legal/privacy/?sh=2422241815022522261408152202313403112434\&elqat=1\&elq=8beb5b601b8543ab8cea62878b07a470\&elqaid=201517\&elqCampaignId=299900\&cmid=WWMK210528P00170\&elq_mid=201517\&elqTrackId=3794c0dfa13f4d84a856878adf6cf34c.$

Oracle Corporation. "MySQL." MySQL. 2021. www.mysql.com.

Oracle Corporation. "MySQL Community Downloads." *MySQL*. 2021. https://dev.mysql.com/downloads/workbench/.

Oracle Corporation. "MySQL Community Downloads: Connector/J." *MySQL Community Downloads*. 2022. https://dev.mysql.com/downloads/connector/j/.

Oracle Corporation. "MySQL Database Service." *MySQL*. 2021. https://www.mysql.com/downloads/.

Pallets. "Flask: web development, one drop at a time." *Pallets Projects*. 2010. https://flask.palletsprojects.com/en/2.0.x/.

Postman, Inc. "Download Postman." Postman. 2021. https://www.postman.com/downloads/.

Powers, Dana, David Arthur, and Contributors. "kafka-python." *kafka-python*. 2016. https://kafka-python.readthedocs.io/en/master/.

Python Software Foundation. "Privacy Policy." *Python.* 2021. https://www.python.org/privacy/.

Python Software Foundation. "Active Python Releases." *Python.* 2021. https://www.python.org/downloads/.

Python Software Foundation. "gym 0.25.2." *PyPi*. https://pypi.org/project/gym/.

Redis Ltd. "Redis Quick Start." Redis. 2021. https://redis.io/topics/quickstart.

Scikit-Learn Developers. "scikit-learn: Machine Learning in Python." *scikit-learn*. Accessed 8 Mar. 2022. https://scikit-learn.org/stable/.

Scikit-Learn Developers. "User Guide." *Scikit-Learn*. 2021. https://scikit-learn.org/stable/user_guide.html.

SciPy. "SciPy." SciPy. 2021. https://scipy.org/.

Shining Light Productions. "Win32/Win64 OpenSSL." *Shining Light Productions*. 2003. https://slproweb.com/products/Win32OpenSSL.html.

Sookocheff, Kevin. "How Do Websockets Work?" *Kevin Sookocheff*. 4 April 2019. https://sookocheff.com/post/networking/how-do-websockets-work/.



Sowmya.L.R. "Introduction to Dask in Python." *GeeksforGeeks*. 10 July 2020. https://www.geeksforgeeks.org/introduction-to-dask-in-python/.

Strapi. "Quick Start Guide." *Strapi Docs*. Accessed October 21, 2021. https://strapi.io/documentation/developer-docs/latest/getting-started/quick-start.html#_1-install-strapi-and-create-a-new-project.

Strapi, Inc. "Design APIs Fast, Manage Content Easily." Strapi. 2021. https://strapi.io/.

StrongLoop, IBM, and other expressjs.com contributors. "Express 4.17.3." *Express.* 2017. https://expressjs.com/.

TensorFlow. "An End-to-End Open-Source Machine Learning Platform." *TensorFlow*. 2022. http://www.tensorflow.org.

The Apache Software Foundation. "Apache Airflow." *Apache Airflow*. 2022. https://airflow.apache.org/.

The Apache Software Foundation. "Apache Arrow: A cross-language development platform for in-memory analytics." *Apache Arrow*. 2021. https://arrow.apache.org/.

The Apache Software Foundation. "Maven in 5 Minutes." *Apache Maven Project*. 2021. https://maven.apache.org/guides/getting-started/maven-in-five-minutes.html.

The Apache Software Foundation. "Welcome to Apache Maven." *Apache Maven Project.* 7 Mar. 2022. https://maven.apache.org/.

The Graphviz Authors. "Graphviz." *Graphviz*. 2022. https://graphviz.org/.

The Graphviz Authors. "Download." *Graphviz*. 19 Sept. 2021. https://graphviz.org/download/.

The Matplotlib Development team. "Matplotlib: Visualization with Python." *Matplotlib.* 2021. https://matplotlib.org/.

The OpenSSL Project Authors. "OpenSSL: Cryptography and SSL/TLS Toolkit." *OpenSSL*. 2021. https://www.openssl.org/.

TutorialsPoint. "Apache Spark - Introduction." *TutorialsPoint*. 2021 https://www.tutorialspoint.com/apache spark/apache spark introduction.htm.

Visual Studio Code. "Code Editing. Redefined." *Microsoft.* 2022. https://code.visualstudio.com/.

VMware, Inc. "Spring Boot 2.6.4." *Spring*. 2022. https://spring.io/projects/spring-boot.

Waskom. M. "seaborn: statistical data visualization." *Seaborn.* 2021. https://seaborn.pydata.org/.