



Government of India
Ministry of Jal Shakti
Department of Water Resources,
River Development & Ganga Rejuvenation

Google Colab for Python Programming

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Google Colaboratory

Colab is a hosted Jupyter Notebook service that requires no setup to use and provides free access to computing resources, including GPUs and TPUs. Colab is especially well suited to machine learning, data science, and education



<https://colab.research.google.com/>



CENTRAL WATER COMMISSION

Google Colab : In Detail

- Google 'Colaboratory' in short Colab is a Cloud-based Jupyter Notebook
- It allows to write and execute Python in your browser
- No separate setup/environment required to access powerful Python libraries to analyze and visualize data
- Colab runs code on Google's cloud server, letting you use powerful hardware regardless of your own device — all you need is a browser. Free access to CPUs, Graphics Processing Unit (GPUs), and Tensor Processing Unit(TPUs)
- Colab notebooks also integrate executable code with rich text and visuals
- Colab notebooks are stored in Google Drive or can be loaded from GitHub. You can import data from drive/upload from your system
- Colab notebooks can be easily shared with others, enabling real-time editing and collaboration for group work.
- Colab is the best way to get started with AI/ML and Data Science

Welcome to Colab: <https://colab.research.google.com/#scrollTo=ISrWNR3MuFUS>





THANK YOU