

# Google colab

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# What is Google Colab?

- A **free** cloud-based platform for writing and executing Python code
- Provides an **interactive coding** environment with **live execution**
- No installation required, **runs entirely in the cloud**
- Comes with pre-installed libraries for machine learning, data science, **and AI**
- Ideal for **collaborative** coding, education, and research



# Key Features of Google Colab

- 🚀 **Cloud-Based Execution:** No local setup, runs on Google's servers
- 🤝 **Collaboration:** Share notebooks easily with others via Google Drive
- 🔥 **Free GPU & TPU Access:** Run deep learning models efficiently
- 📁 **Integration:** Access Google Drive, GitHub, and more
- 🛠️ **Magic Commands:** `!pip install`, `%%time`
  - Magic commands are special commands in Python-based environments (like Google Colab) that provide additional functionality for working efficiently.





# HANDS ON DEMO



**Thank You**

