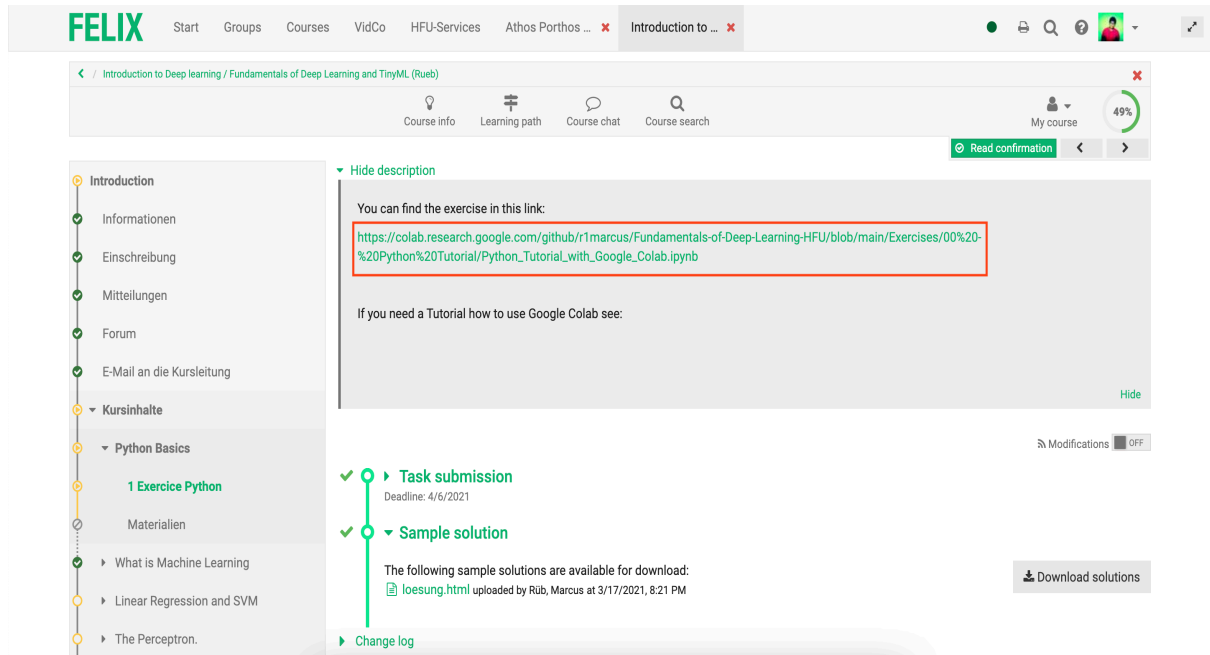
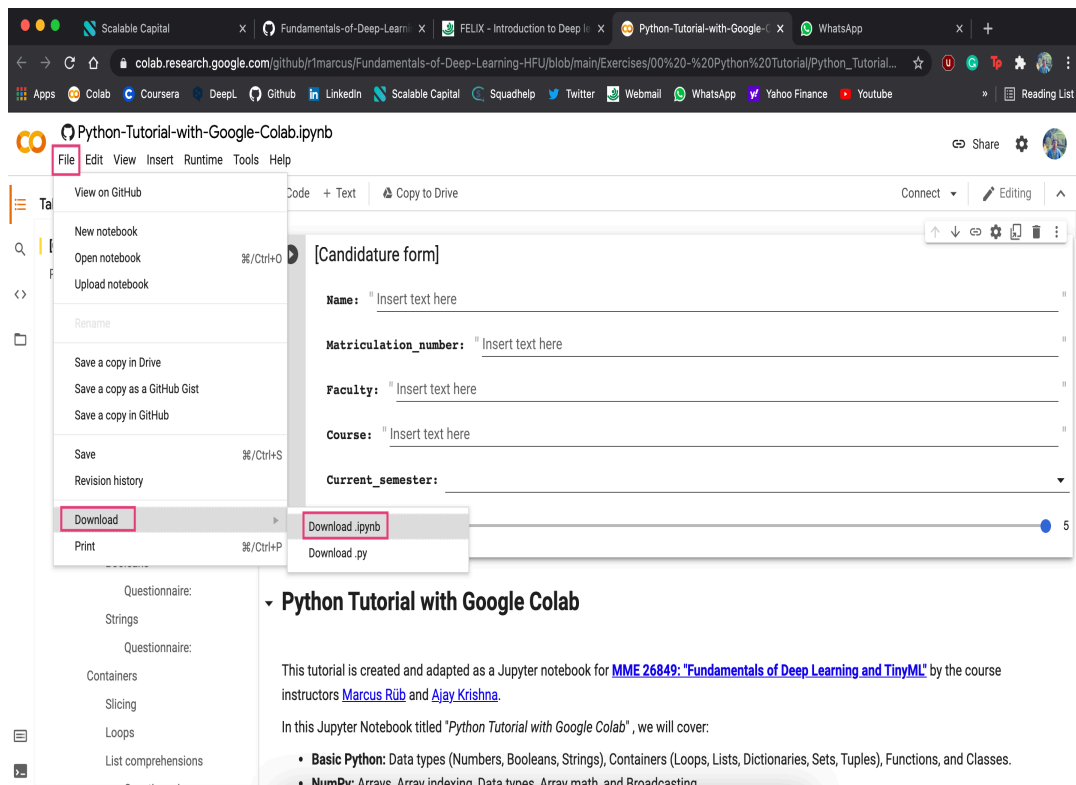


How to use Google Colab and uploading the task on Felix

1. Click the link of the exercise in Felix.

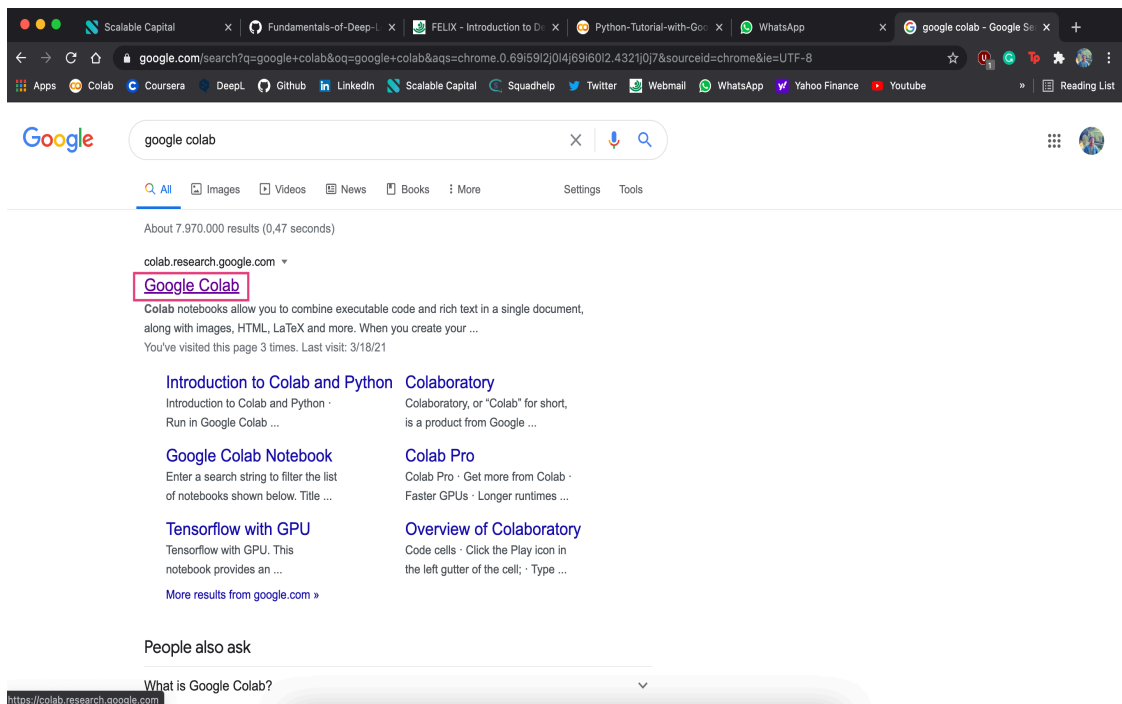


2. Once the link is opened in Google Colab, download the raw file to your local machine.

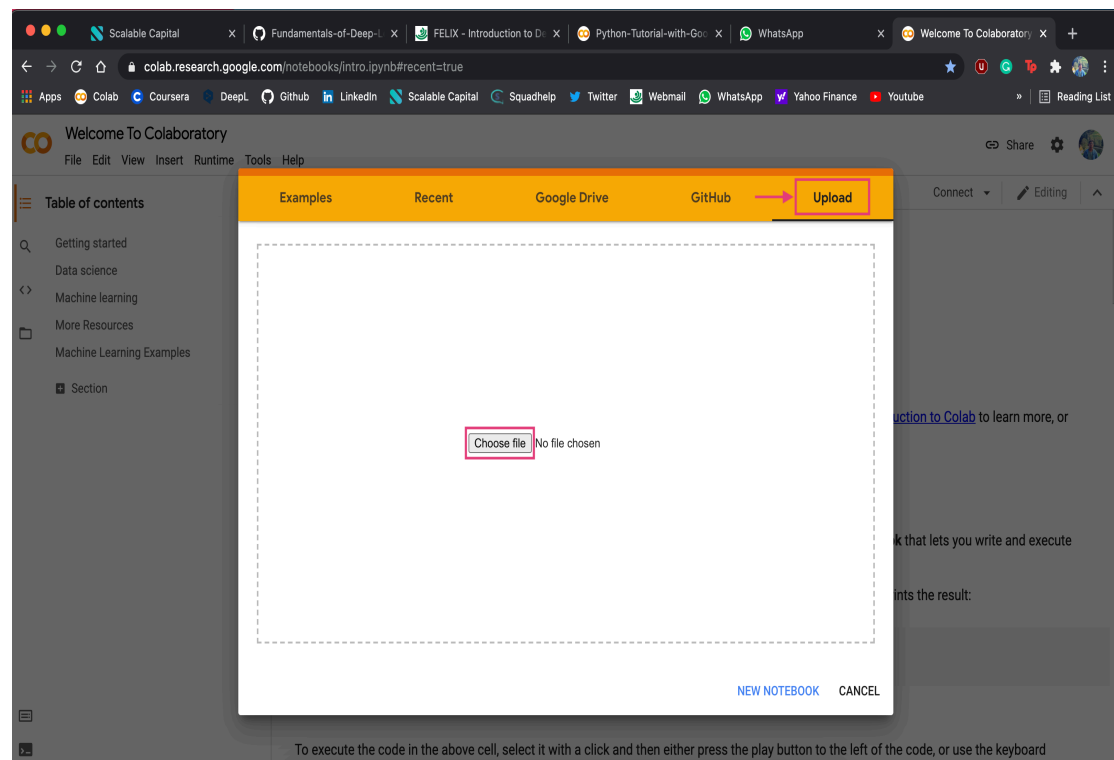


How to use Google Colab and uploading the task on Felix

3. After the file is downloaded to the local machine, visit <https://colab.research.google.com/> from your browser.

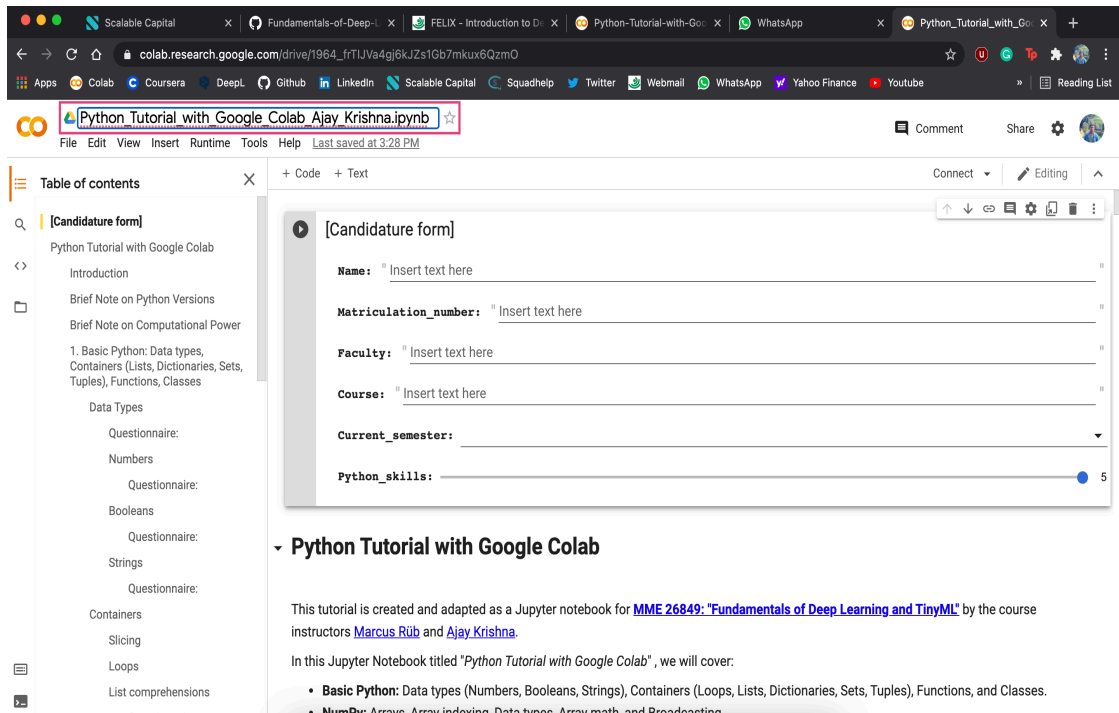


4. In google Colab, upload the recently downloaded file from your local machine.



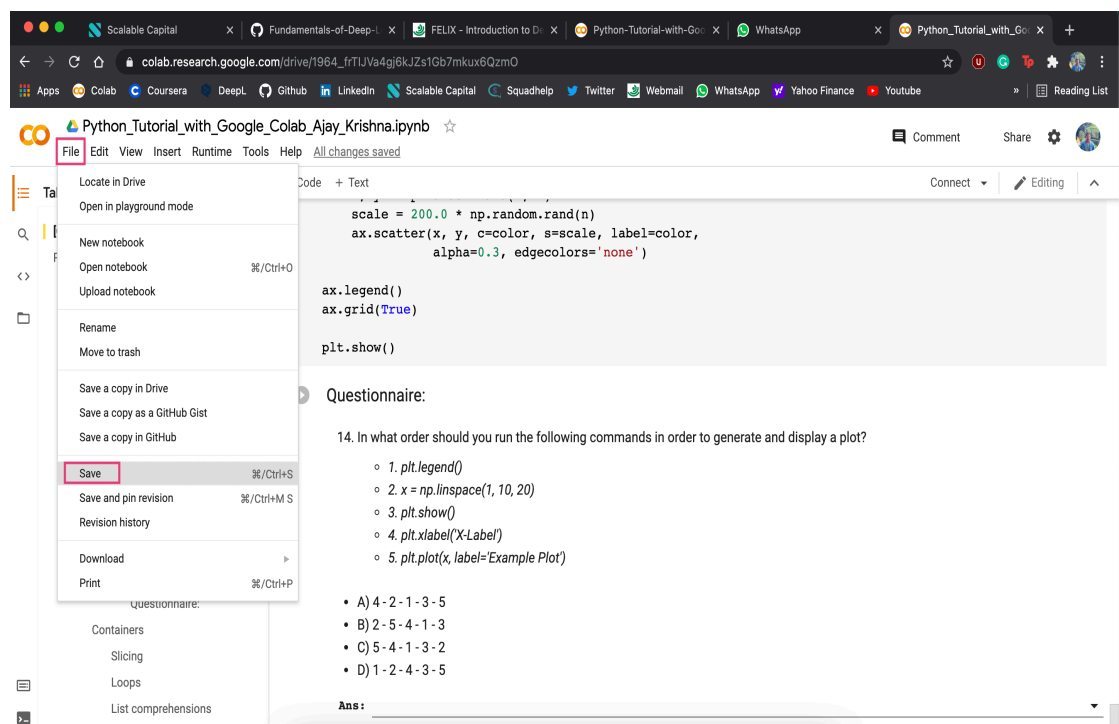
How to use Google Colab and uploading the task on Felix

5. Rename the file by adding your first and last name.
(*Python_Tutorial_with_Google.ipynb* to *Python_Tutorial_with_Google_firstname_lastname.ipynb*)



The screenshot shows the Google Colab interface. The browser address bar displays the URL: `colab.research.google.com/drive/1964_fr1JVa4gJ6KJZs1Gb7mkux6Qzm0`. The notebook title bar shows `Python Tutorial with Google Colab Ajay Krishna.ipynb`, which is highlighted with a red box. The left sidebar contains a 'Table of contents' panel with a search bar and a list of sections under '[Candidature form]'. The main content area displays a 'Candidature form' with input fields for Name, Matriculation number, Faculty, Course, Current semester, and Python skills. Below the form, there is a section titled 'Python Tutorial with Google Colab' containing introductory text and a list of topics covered in the tutorial.

6. Complete the tutorial by running each code cell, answering the questionnaires and finally save the file to your local machine.



The screenshot shows the Google Colab interface with the 'File' menu open. The menu options include 'Locate in Drive', 'Open in playground mode', 'New notebook', 'Open notebook', 'Upload notebook', 'Rename', 'Move to trash', 'Save a copy in Drive', 'Save a copy as a GitHub Gist', 'Save a copy in GitHub', 'Save', 'Save and pin revision', 'Revision history', 'Download', and 'Print'. The 'Save' option is highlighted with a red box. The main content area displays a code cell with the following Python code:

```
scale = 200.0 * np.random.rand(n)
ax.scatter(x, y, c=color, s=scale, label=color,
           alpha=0.3, edgecolors='none')

ax.legend()
ax.grid(True)

plt.show()
```

Below the code cell, there is a 'Questionnaire' section with a question: '14. In what order should you run the following commands in order to generate and display a plot?'. The options are:

- 1. `plt.legend()`
- 2. `x = np.linspace(1, 10, 20)`
- 3. `plt.show()`
- 4. `plt.xlabel('X-Label')`
- 5. `plt.plot(x, label='Example Plot')`

The answer options are:

- A) 4 - 2 - 1 - 3 - 5
- B) 2 - 5 - 4 - 1 - 3
- C) 5 - 4 - 1 - 3 - 2
- D) 1 - 2 - 4 - 3 - 5

How to use Google Colab and uploading the task on Felix

7. After saving the file to your local machine, upload the same on to Felix under “Task Submission”

The screenshot displays the FELIX web application interface. The browser's address bar shows the URL: `felix.hs-furtwangen.de/auth/RepositoryEntry/4020862983/CourseNode/103365438225546`. The page title is "Introduction to Deep learning / Fundamentals of Deep Learning and TinyML (Rueb)".

The interface includes a sidebar on the left with a navigation menu containing the following items: Introduction, Informationen, Einschreibung, Mitteilungen, Forum, E-Mail an die Kursleitung, Kursinhalte (expanded), Python Basics (expanded), 1 Exercise Python (highlighted), Materialien, and What is Machine Learning.

The main content area is divided into two sections:

- Hide description:** This section contains a link to the exercise: https://colab.research.google.com/github/r1marcus/Fundamentals-of-Deep-Learning-HFU/blob/main/Exercises/00%20-%20Python%20Tutorial/Python_Tutorial_with_Google_Colab.ipynb. It also includes a note: "If you need a Tutorial how to use Google Colab see:". A "Read confirmation" button is visible.
- Task submission:** This section shows the deadline: "Deadline: 4/6/2021". It lists the submitted solutions: "The following solutions have been submitted by you: MVP_cognitive_search_distilbert.ipynb uploaded by Krishna, Ajay at 3/17/2021, 8:34 PM".

The top right of the interface shows a progress indicator for "My course" at 49% and a "Modifications" toggle set to "OFF".