

Content

Colab Tutorial

Assessment 1

Week 1 Lab tasks

Q&A

Extended tutorial on Colab

- Create a New Colab Notebook
 - Via existing notebook (move it to folder)
 - Via Google Drive
- Editing Title
- Editing Text Cell
 - Add/delete/move cell
 - Multi-level titles (expand/fold)
 - Bold text
 - Italic
 - Bulleted list
- Code cell
 - Two ways to run it (click ▶/shift+enter)
 - Stop running (kill endless loop)
 - Clear output
- Save your work
 - Run all to show outputs
 - Download ipynb
 - Save as Pdf

Practice with your Colab Notebook!



☰ Table of contents



Class



Define a class



Create an object



Format output

Float number with 4 decimal number,
width of 7

Width for String

Files

open

With open

Path

+ Section

+ Code + Text

> Class

[] ↪ 4 cells hidden

> Format output

An f-string is a **string literal** prefixed with an f.

[] ↪ 6 cells hidden

> Files

▶ ↪ 8 cells hidden

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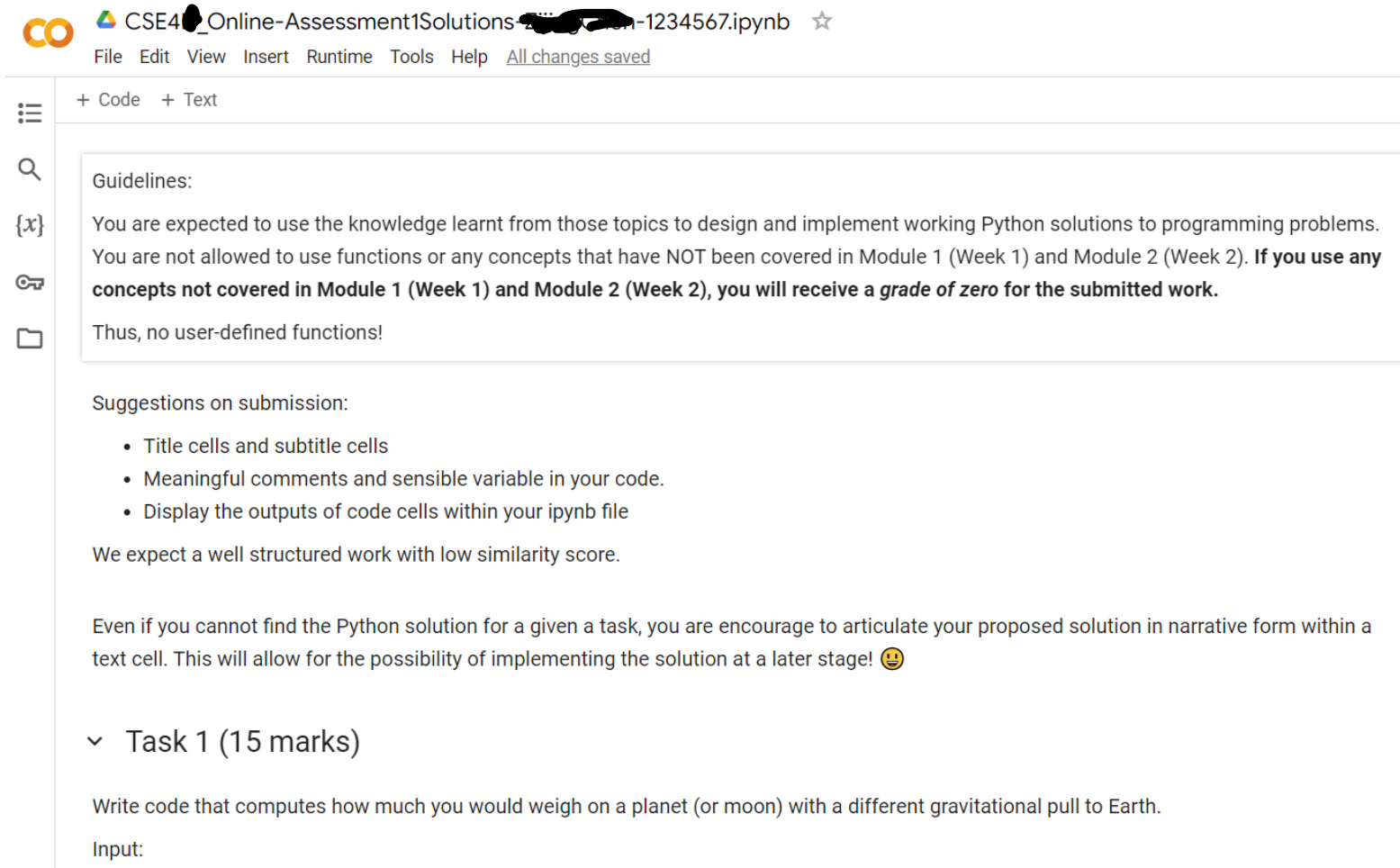
Assessment 1

Google Colab is highly recommended!

- ✓ Consolidating your solutions to 5 tasks into a single ipynb file.
- ✓ Present output from code
- ✓ Low risk of plagiarism



Example of Notebook submission :



The screenshot shows a Jupyter Notebook interface. At the top, the title bar reads "CSE4 Online-Assessment1Solutions-1234567.ipynb" with a star icon. Below the title bar is a menu bar with "File", "Edit", "View", "Insert", "Runtime", "Tools", "Help", and a link "All changes saved". The left sidebar contains icons for a menu, search, code editor, and file explorer. The main area displays the notebook content, which includes guidelines, submission suggestions, and a task.

Guidelines:

You are expected to use the knowledge learnt from those topics to design and implement working Python solutions to programming problems. You are not allowed to use functions or any concepts that have NOT been covered in Module 1 (Week 1) and Module 2 (Week 2). **If you use any concepts not covered in Module 1 (Week 1) and Module 2 (Week 2), you will receive a grade of zero for the submitted work.**

Thus, no user-defined functions!

Suggestions on submission:

- Title cells and subtitle cells
- Meaningful comments and sensible variable in your code.
- Display the outputs of code cells within your ipynb file

We expect a well structured work with low similarity score.

Even if you cannot find the Python solution for a given a task, you are encourage to articulate your proposed solution in narrative form within a text cell. This will allow for the possibility of implementing the solution at a later stage! 🤖

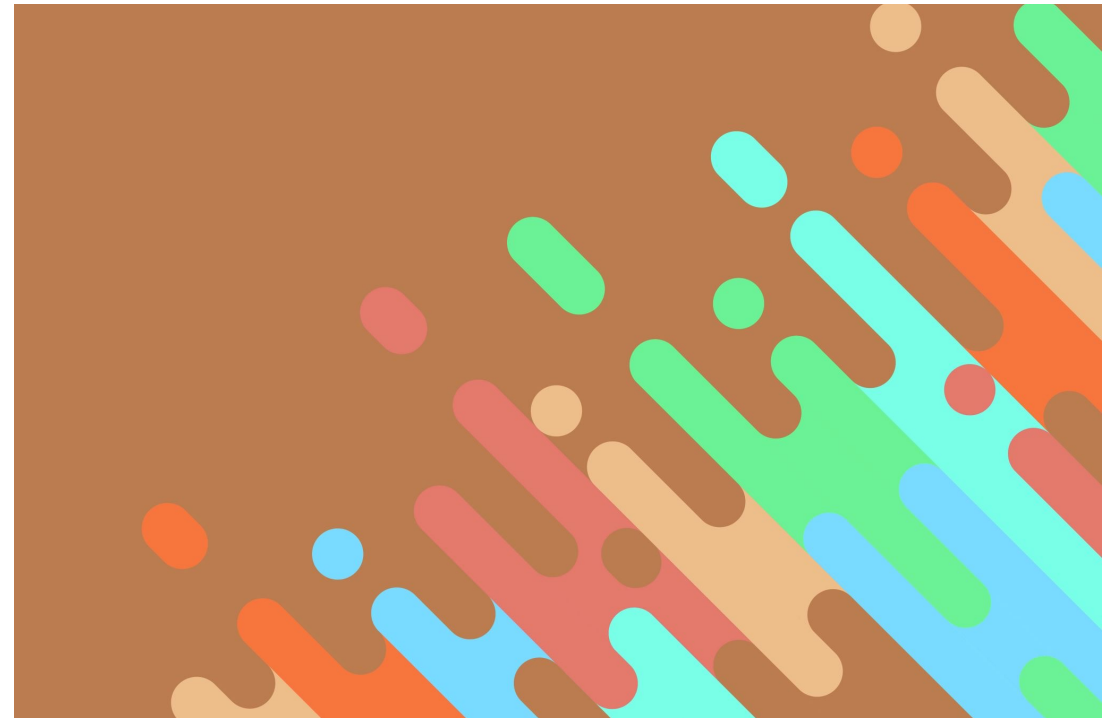
✓ Task 1 (15 marks)

Write code that computes how much you would weigh on a planet (or moon) with a different gravitational pull to Earth.

Input:

Practice with your ipynb Submission

- Rename ipynb file to include your name & id
- Title cells and subtitle cells
- Meaningful comments and sensible variable in your code.
- Display the outputs of code cells within your ipynb file
- Download ipynb file



Check Assessment 1 Forum

- Once you've successfully submitted your work to XXX, I recommend downloading it from XXX to check its content and ensure that
 - 1) it is the correct file and 2) it functions properly.