

Assignment 1

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Github: <https://github.com/Prajwalanalluri/neural-assignment-1.git>

Video link: https://drive.google.com/drive/folders/1uVBWKer4oA6nQ0GS-XDC-8s8Vi_F7fEZ?usp=sharing

Output : Question 1 and 2

```
[16] input_string = input("Enter a string: ")
char_list = list(input_string)
del char_list[3:-1]
reversed_list = char_list[::-1]
result_string = ''.join(reversed_list)
print(result_string)

Enter a string: python
ntyp

[44] num1 = float(input("Enter the first number: "))
num2 = float(input("Enter the second number: "))
addition = num1 + num2
subtraction = num1 - num2
multiplication = num1 * num2
division = num1 / num2 if num2 != 0 else "undefined (cannot divide by zero)"
print(f"Addition: {num1} + {num2} = {addition}")
print(f"Subtraction: {num1} - {num2} = {subtraction}")
print(f"Multiplication: {num1} * {num2} = {multiplication}")
print(f"Division: {num1} / {num2} = {division}")

Multiplication: 2.0 * 3.0 = 6.0

sentence = input("Enter a sentence: ")
modified_sentence = sentence.replace('python', 'pythons')
print("Modified sentence:")
print(modified_sentence)

Enter a sentence: I love playing with python
Modified sentence:
I love playing with pythons
```

Release notes

Please follow our [blog](#) to see more information about new features, tips and tricks, and featured notebooks such as [Analyzing a Bank Failure with Colab](#).

2024-06-18

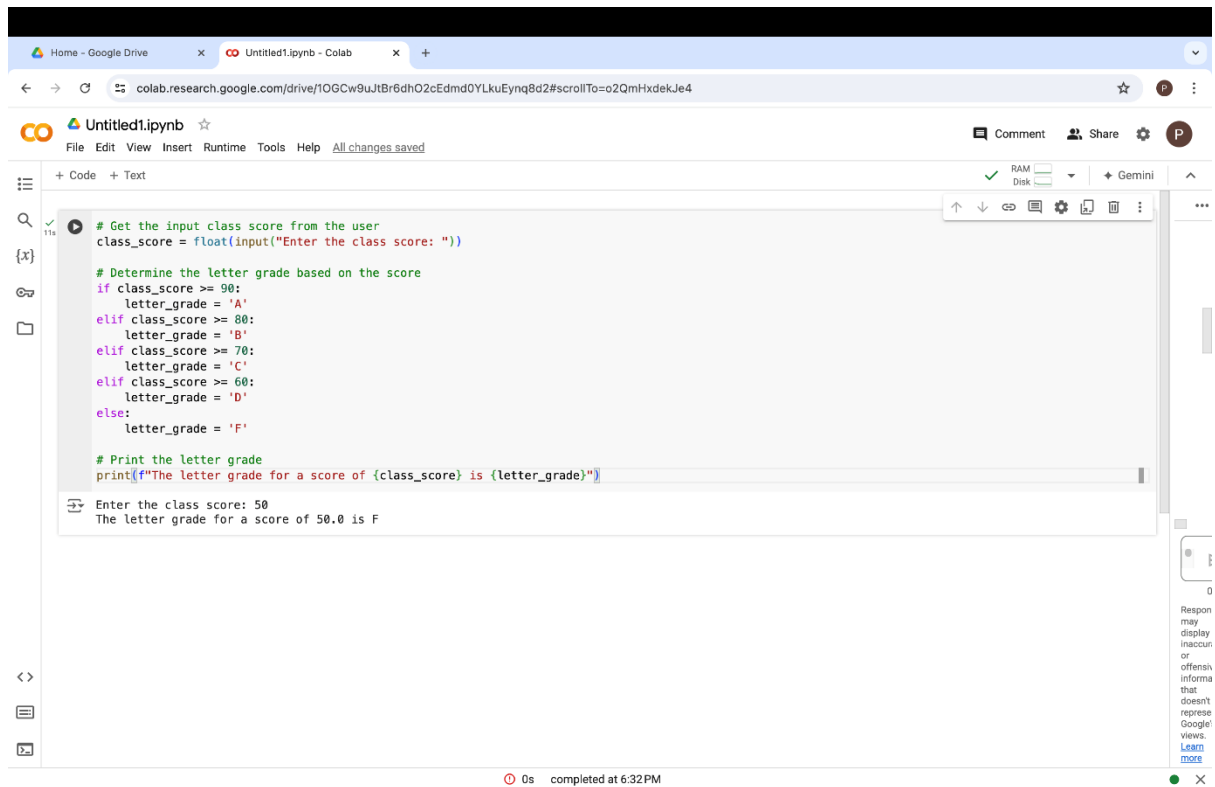
- Inline AI completions are now available to free tier users.
- Reduced latency for LSP and terminal connections
- Improved quality of inline completions
- Visual improvements to switch controls across Colab
- Various bug fixes, performance and a11y improvements to the user secrets panel
- Improved tooltip UX behavior
- Improved behavior when copying data from Google Sheets and pasting in Colab
- Scroll to cell fixes for single tabbed view and jump to cell command
- Improved tab header behavior
- A11y improvements for notebook-focused cells
- Python package upgrades
 - torch 2.2.1 -> 2.3.0
 - torchaudio 2.2.1 -> 2.3.0
 - torchvision 0.17.1 -> 0.18.0
 - torchtext 0.17.1 -> 0.18.0
 - google-cloud-aiplatform 1.51.0 -> 1.56.0
 - bigframes 1.5.0 -> 1.8.0
 - regex 2023.12.25 -> 2024.5.15

2024-05-13

- Code actions are now supported to automatically improve and refactor code. Code actions can be triggered by the keyboard shortcut "Ctrl/⌘ + .".
- Python package upgrades
 - bigframes 1.0.0 -> 1.5.0
 - google-cloud-aiplatform 1.47.0 -> 1.51.0
 - jax[tpu] 0.4.23 -> 0.4.26

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Question 3: Output



The screenshot shows a Google Colab notebook titled "Untitled1.ipynb". The notebook contains a Python program that takes a class score as input and outputs a letter grade. The program uses a series of if-elif-else statements to determine the grade based on the score. The output shows that for a score of 50, the letter grade is F.

```
# Get the input class score from the user
class_score = float(input("Enter the class score: "))

# Determine the letter grade based on the score
if class_score >= 90:
    letter_grade = 'A'
elif class_score >= 80:
    letter_grade = 'B'
elif class_score >= 70:
    letter_grade = 'C'
elif class_score >= 60:
    letter_grade = 'D'
else:
    letter_grade = 'F'

# Print the letter grade
print(f"The letter grade for a score of {class_score} is {letter_grade}")
```

Enter the class score: 50
The letter grade for a score of 50.0 is F

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