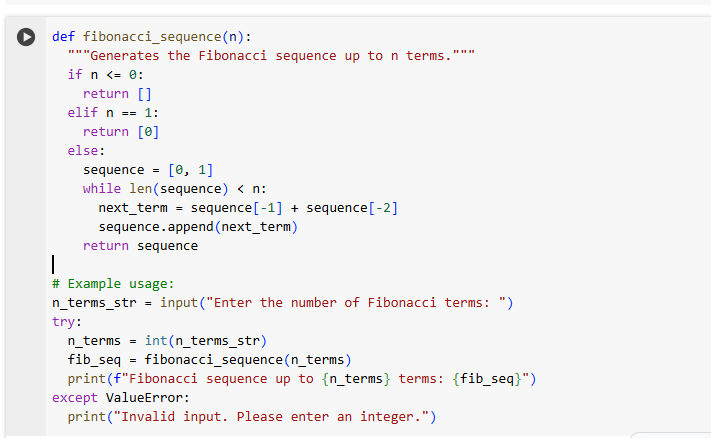
LAB 4.2(MONDAY-18.08.2025)

**Task Description#1**

* **Zero-shot:** Prompt AI with only the instruction — Write a Python function to generate the Fibonacci sequence up to n terms
* **By using google colab**
* **prompt**



code



**Expected Output#1**

* A working function without using any sample inputs/outputs.



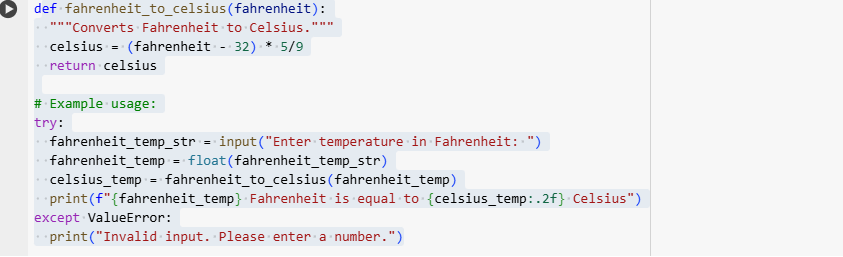
**Task Description#2**

One-shot: Provide one example: Input: 100, Output: 37.78 to help AI generate a function that converts Fahrenheit to Celsius

Prompt:



Code:



**Expected Output#2**

* A correct conversion function guided by the single example.



**Task Description#3**

* **Few-shot:** Give 2–3 examples to create a function that extracts the domain name from an email address.
* **Prompt:**



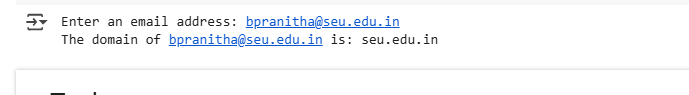
Code:



Output:

**Expected Output#3**

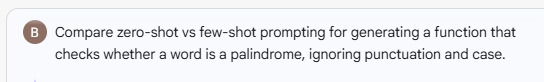
* Accurate function that returns only the domain portion of an email (e.g., @gmail.com).



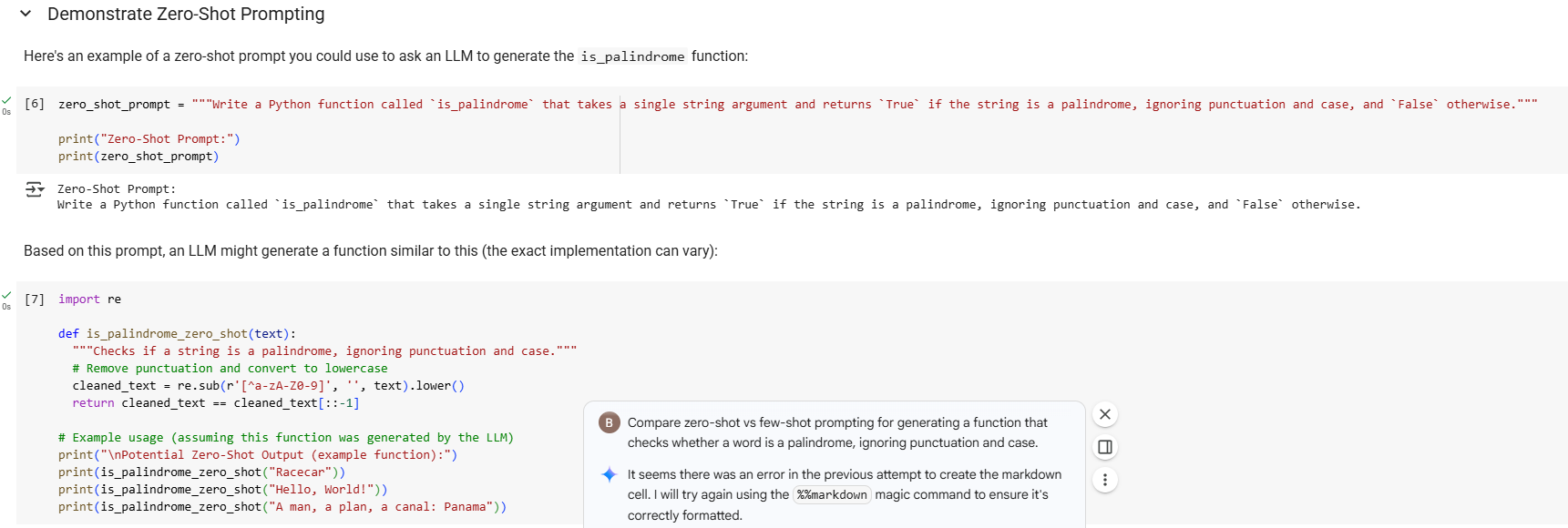
**Task Description#4**

* Compare zero-shot vs few-shot prompting for generating a function that checks whether a word is a palindrome, ignoring punctuation and case.

Prompt



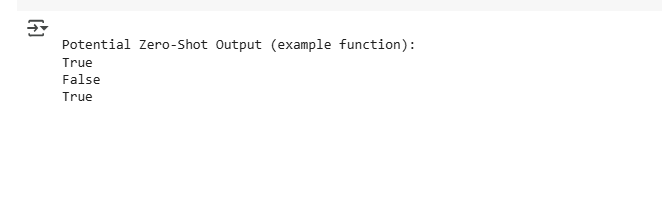
Code



Output:

**Expected Output#4**

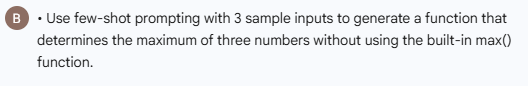
* Output comparison + student explanation on how examples helped the model.



**Task Description#5**

* Use few-shot prompting with 3 sample inputs to generate a function that determines the maximum of three numbers without using the built-in max() function.

Prompt



Code and output:

