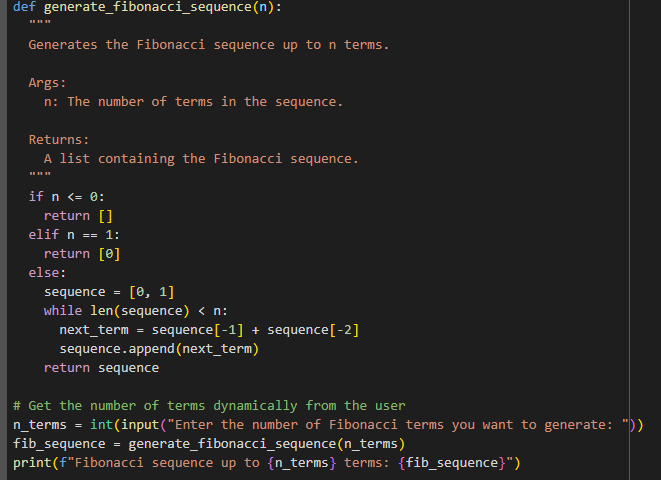
Assignment 4.2

**Task Description#1**

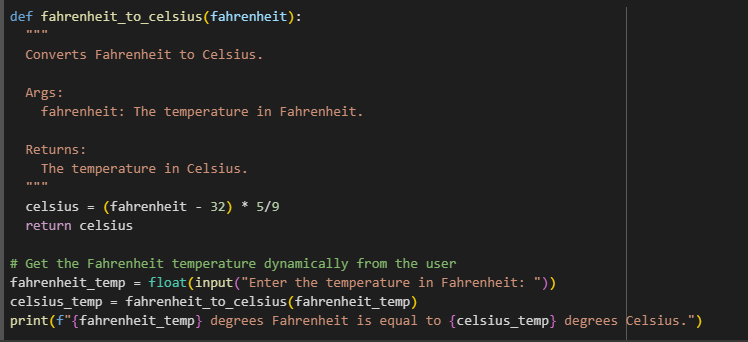
* **Zero-shot:** Prompt AI with only the instruction — Write a Python function to generate the Fibon acci sequence up to n terms acci sequence up to n terms
* ****

Output:

Screenshot 2025-08-18 160528.png

**Task Description#2**

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



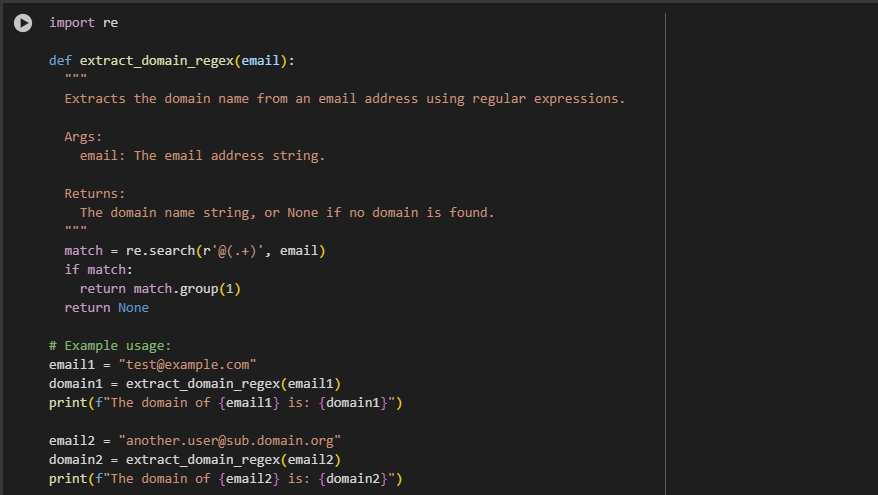
Output:

Screenshot 2025-08-18 160827.png

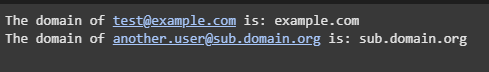
**Task Description#3**

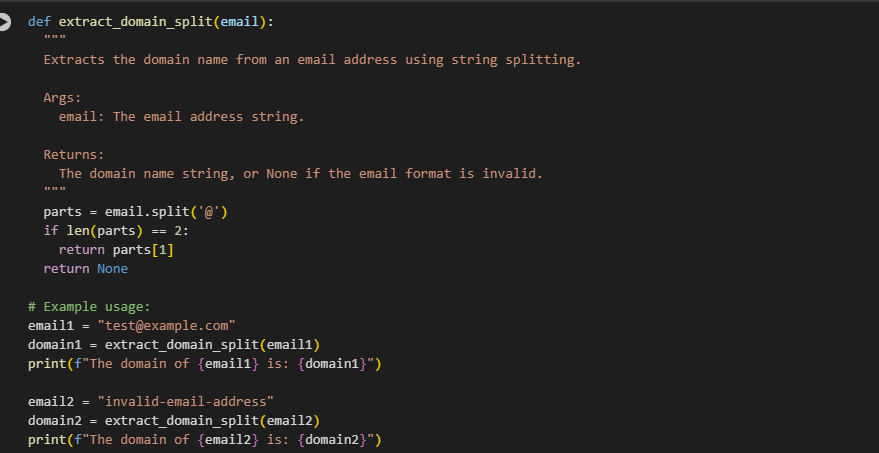
* **Few-shot:** Give 2–3 examples to create a function that extracts the domain name from an email address.

1.



Output:



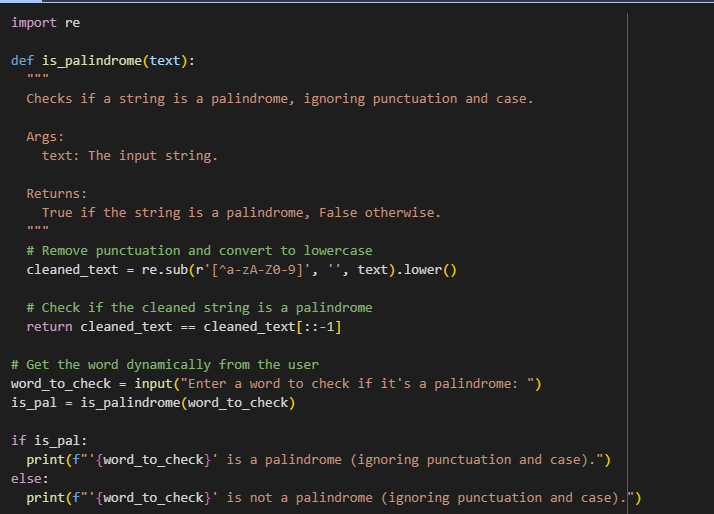
2.

Output:

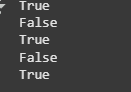
Screenshot 2025-08-18 155728.png

**Task Description#4**

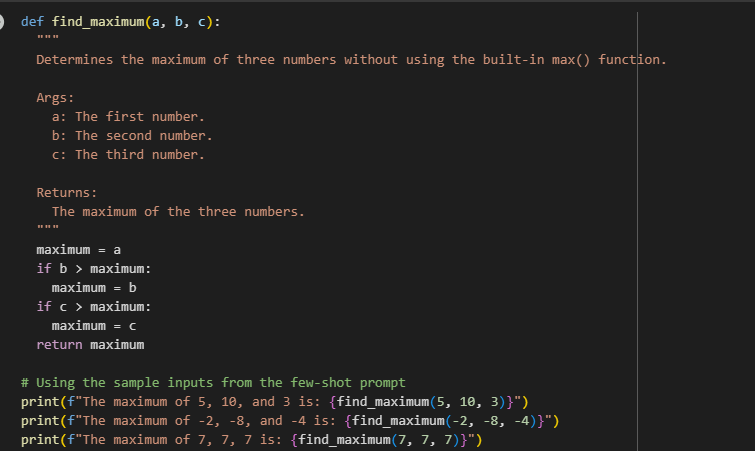
* Compare zero-shot vs few-shot prompting for generating a function that checks whether a word is a palindrome, ignoring punctuation and case.

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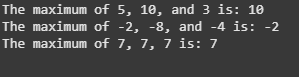
**Output:**

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* 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.

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**Output:**

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