***Assignments***

**Assignment 1:** Convert Celsius to Fahrenheit

Use a lambda function with map() to convert a list of temperatures from Celsius to Fahrenheit.

* Given a list of temperatures in Celsius [0, 20, 37, 100], use map() and a lambda function to convert each value to Fahrenheit using the formula F = (C \* 9/5) + 32.
* Expected Output: [32.0, 68.0, 98.6, 212.0]

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**Assignment 2:** Add Two Lists Element-wise

* Use a lambda function with map() to add corresponding elements from two lists.
* Given two lists [1, 2, 3] and [4, 5, 6], use map() and a lambda function to return a new list where each element is the sum of the corresponding elements from the two lists.
* Expected Output: [5, 7, 9]

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**Assignment 3:** Capitalize Words in a List

* Use a lambda function with map() to capitalize the first letter of each word in a list.
* Given a list of lowercase words ['apple', 'banana', 'cherry'], use map() and a lambda function to capitalize each word.
* Expected Output: ['Apple', 'Banana', 'Cherry']

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**Assignment 4:** Find the Length of Strings

* Use a lambda function with map() to find the length of each string in a list.
* Given a list of strings ['hello', 'world', 'python'], use map() and a lambda function to return a new list containing the length of each string.
* Expected Output: [5, 5, 6]

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**Assignment 5:** Daily Temperature Tracker

Create a dictionary to store and manipulate daily temperature data for a week.

* Write a program that stores daily high temperatures for a week in a dictionary, where keys are days of the week and values are temperatures. The program should:
* Allow the user to update the temperature for any day.
* Calculate the average temperature for the week.
* Example Input: {'Monday': 30, 'Tuesday': 32, 'Wednesday': 29, 'Thursday': 31, 'Friday': 30, 'Saturday': 28, 'Sunday': 27}
* Expected Output: Average temperature: 29.57°C.

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**Assignment 6:** Bird Species Observation Tracker

* Create a dictionary to track the number of sightings of different bird species.
* Given a dictionary where keys are bird species (e.g., 'sparrow', 'eagle') and values are the number of sightings, write a program to:
* Add a new species with its count.
* Update the sighting count for an existing species.
* Display the bird with the highest number of sightings.
* Example Input: {'sparrow': 10, 'eagle': 5, 'hawk': 7}
* Expected Output: The bird with the highest sightings is 'sparrow'.