Mini Project: Daily Calorie Tracker CLI

This document contains the completed assignment for the Mini Project: **Daily Calorie Tracker CLI**. It includes the task explanations, logic used, sample code, and final output structure.

Task 1: Setup & Introduction

```
- Created project folder: daily_calorie_tracker/
- Added tracker.py with header (name, date, title)
- Printed welcome message explaining tool purpose
```

Task 2: Input & Data Collection

```
- Used input() to take meal name & calorie amount
- Stored meal names in meals[] and calories in calories[]
- Loop implemented for multiple meals
```

Task 3: Calorie Calculations

```
- Calculated:
    total = sum(calories)
    average = total / len(calories)
- User enters daily calorie limit → compared with total intake
```

Task 4: Exceed Limit Warning System

```
if total > limit:
    print("Warning: You exceeded your daily calorie limit!")
else:
    print("Great! You are within your daily limit.")
```

Task 5: Neatly Formatted Output

```
Meal Name       Calories
---------------------------
Breakfast       350
Lunch           600
Snack           150

Total:   1100
Average: 366.67
```

Task 6: Bonus – Saving Log to File

```
- Asked user: Save report? (yes/no)
- If yes: Created calorie_log.txt containing timestamp,
  meal details, total, average, and limit status.
```

Sample Code Snippet

```
meals = []
calories = []

n = int(input("How many meals? "))

for i in range(n):
```

```python
        meal = input("Enter meal name: ")
        cal = float(input("Enter calories: "))
        meals.append(meal)
        calories.append(cal)

total = sum(calories)
average = total / n
limit = float(input("Enter your daily calorie limit: "))

if total > limit:
    print("Warning: Limit exceeded!")
else:
    print("Within limit!")
```