

THE ACTIVITY TRACKER

Problem Statement

Imagine you're a person out of shape. To stay fit, you decide to track the activities you've done and those you still need to work on. However, due to stressful work requirements, you often forget to complete the activity or recall the remaining tasks.

Project Objectives

Our project's goal is to track the activities you have to complete for the entire week and keep a record of your progress. In order to state that a specific activity has been done, add a variable to tell the code that you completed the work. Every end of the week our program will tell you if you successfully finished all the activities that you need to do for the week and if not, the code will provide you a list of all the activities you have missed for the week.

Planned Features

1. Add what activities you want to achieve for the week
2. The code stores the information given by the user
3. You can tell the code what activity/activities have been completed
4. A feature that alerts the user when they miss an activity
5. Motivational speech to give you motivation
6. A table for the week's activities

Planned input & outputs

- Planned activities for the days of the week

Example:

(Input activities for the week every Sunday)

Output: "list down all your activities for the week from Sunday to Saturday."

Output: "Input your activities for Sunday."

Input: Sunday activities

Output: "Input your activities for Monday."

Input: Monday activities

Output: "Input your activities for Tuesday."

Input: Tuesday activities

(So on until Sat)

(After giving information, knowing the code knows the day)
 Output: "Today is Sunday, you have to exercise and Grocery shopping today."
 Input finished activity/activities."
 Input: Activities finished for the day
 If all activities finished:
 Output: "Sunday activity/activities completed."
 Else:
 Output: "What activities did you miss?"
 Input: Missed activities for the day
 Output: "You missed {input} for today."
 Output: "Today is Monday, you have to clean the house and fix the table."
 Output: "Input finished activity/activities."
 Input: Activities finished for the day
 If all activities finished:
 Output: "Monday activity/activities completed."
 Else:
 Output: "What activities did you miss?"
 Input: Missed activities for the day
 Output: "You missed {input} for today."
 (So on until Sat)

If all activities finished:
 Output: "You have finished all your activities for the week."
 Else:
 Output: "You missed some of your activities for the week. (List of missed activities per day)."
 (The code repeats)

- Table Example

DAY	Sunday	Monday	Tuesday
ACTIVITIES	Jog Grocery shopping	Push ups	Burpees
Motivational Speech: It is often the small steps, not the giant leaps, that bring about the most lasting challenge - Queen Elizabeth II			

Logic Plan

Pseudocode

```
# Import date from datetime module

# Have some outside data compared to the current date to find out what day it
is.

# Start a for/while loop until the end of the week (Current day - Saturday) for
activities given
    # We'll figure out what loops to use on Q2

# Save given inputs on external source

# Another for/while loop to check on the inputted activities on their
respective days/dates
    # Additional loop incase the user attempts to do planned activities early
unless the user says so

# Have all this in a while loop until the user inputs an option that stops the
code
```