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Assignment05

How did I complete the Assignment 05?

# Introduction

I continue learning Python. The document this week will describe all the steps that were taken to complete the “Assignment 05”.

As usual, before starting with the steps, I had to login to the Canvas module at the UW portal – <https://canvas.uw.edu/>.

# Execution

## Step 1

* First, I went to the “Calendar” tab and opened the link corresponding to the current assignment module (“Assignment05”).
* Then, I downloaded the “Module05 – Tuples, Lists & Dictionaries” archive and unzipped it on my local machine.
* After that I created a new folder for storing the assignment results (“Assignments/Assignment05”).

## Step 2

Then I followed the links and watched <https://www.youtube.com/watch?v=P5wOsnPjn6Y&t=828s> video:

A screenshot of a computer

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After that I replicated all the labs from the video in PyCharm project:

5-1:

Writing and reading Data from the file

Text

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5-2:

Writing and Reading Data from dictionaries

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## Step 3

As the following step, I read the fifth chapter of the book - “List and Dictionaries: The Hangman Game.”

## Step 4

Then I went through the proposed web pages and got familiar with “List”, “Dictionary”, and “ReadingFiles” one more time:

<https://www.afterhoursprogramming.com/tutorial/>

More video about Reading and Writing code to the text file:

Graphical user interface, text, application

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## Step 5

Then I started to work on the Python script.

### Step 5.1

First step was to create an empty project in PyCharm and a placeholder for my future script:

Graphical user interface, text, application

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### Step 5.2

Then I added the code to display the menu options to the user and read the input:

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### Step 5.3

Then I added the “if-else” statements to process different input from the user, including invalid:

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### Step 5.4

Then I implemented function 1: “Add new item in–memory list”

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### Step 5.5

Then I implemented function 2: “Remove the last item from the in-memory list”

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### Step 5.6

After I implemented function 3: “Display unsaved in memory list”

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### Step 5.7

After I implemented function 4: “Save in-memory list to the file”

Text

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### Step 5.8

Then I implemented function 5: “Display the content of the file”

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### Step 5.9

After I implemented function 6: “Exit program”

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### Step 5.10

Finally, I implemented negative scenario: “Processing unexpected user input”

Graphical user interface, application

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## Step 6

As the last step, I verified that my script is working fine by running it from the Terminal:

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## Step 7

As the last step I uploaded my files to the GitHub public repo:

<https://github.com/YKalcheuskaya/IntroToProg-Python>

# Summary

I keep learning new things in Python:

* I watched new video from Randal Root and completed lab exercises.
* I read the fifth book chapter.
* I created new project in PyCharm and wrote the phyton script.
* I verified my script from both PyCharm and the Terminal.
* I uploaded my files to the GitHub public repo.
* Finally, I submitted the results of my work to the portal following the provided instructions.

Way to go!