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Homework 00
METU CENG310 Spring 2021
Data Structures and Algorithms with Python

Start Date: March 13th, 2021
Due Date: None
NO NEED TO RETURN

1 Preparation for the Course

Task-1: Download the latest release of Anaconda Individual Edition from this link and perform installation: https://www.anaconda.com/products/individual

Throughout the course, we will be using Python 3. As the interpreter we will use iPython which comes with the Anaconda's Individual Edition. We will also use basic Python interpreter from time to time which also comes with this edition.
As the editor, adoption of Notepad++ (https://notepad-plus-plus.org/downloads/v7.9.3/) is recommended, however, you can also use other editors for implementation. Regardless of your editor choice, you need to make sure that your code can be run as a single line statement iPython interpreter.

Task-2 Write a simple program that prints "Hello World." on the CLI, and run that code with iPython.

```
$> ipython.exe
In [1]: %run task2.py
```

A tip to make life easier on Windows machines:
You can create a PowerShell profile (*.ps1 file) and insert the scripts below to have a concise way to access Python and iPython interpreters.

```
Set-Alias -Name ip -Value C:\ProgramData\Anaconda3\Scripts\ipython.exe
Set-Alias -Name py -Value C:\ProgramData\Anaconda3\python.exe

$host.PrivateData.ErrorBackgroundColor = "Gray"
$host.PrivateData.ErrorForegroundColor = "DarkGray"

Set-Location C:\workspace\python
Clear-Host
```

And then you can access, say, iPython interpreter like this:

```
$> ip
```

Task-3: Get the textbook (Goodrich-Tamassia-Goldwasser, Data Structures and Algorithms in Python, Wiley, 2013.)

The textbook of our course is Data Structures and Algorithms in Python by Goodrich-Tamassia-Goldwasser. This book will be utilized in most of our reading assignments throughout the semester.