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A WORD file includes contents:

1. Self-introduction
2. Your Github repository
3. Programs for 1~2 Leetcode problems
4. Programs for crawling some webpage
5. Hello dr, I'm Raina Ika Shevira Agustin from the International class of Computer science, I'm from Indonesia, I'm from the Muhammadiyah University of East Kalimantan.
6. My Github Repository link:

<https://github.com/Rainaikasheviraagustin/PythonDSML2021Course>

1. **Twosum**

Code :

nums = [2,7,11,15]

target = 9

for i in range(len(nums)):

   for j in range(len(nums)):

     if nums[i] + nums[j] == target:

       print(i,j)

Output:

[0,1]

[1,0]

**Add-TwoNumber**

Code :

l1 = [2,4,3]

l2 = [5,6,4]

class ListNode:

def \_\_init\_\_(self, val=0, next=None):

self.val = val

self.next = next

def addTwoNumbers(self, l1: ListNode, l2: ListNode) -> ListNode:

l1\_array = []

l1\_array.append(str(l1.val))

while l1.next != None:

l1 = l1.next

l1\_array.append(str(l1.val))

l1\_array = l1\_array[::-1]

result\_1 = ''.join(l1\_array)

l2\_array = []

l2\_array.append(str(l2.val))

while l2.next != None:

l2 = l2.next

l2\_array.append(str(l2.val))

l2\_array = l2\_array[::-1]

result\_2 = ''.join(l2\_array)

result = int(result\_1) + int(result\_2)

result\_array = []

for i in str(result):

result\_array.append(i)

result = ''.join(result\_array)

result = result[::-1]

for index, e in enumerate(result):

if index == 0:

cur = dummy = ListNode(e)

else:

cur.next = ListNode(e)

cur = cur.next

return dummy

Output :

[7,0,8]

1. Web Crawling

Code :

import requests

from bs4 import BeautifulSoup

url = 'https://www.goodreads.com/search?q=dilan'

r = requests.get(url)

request = r.content

soup = BeautifulSoup(request, 'html.parser')

title = soup.findAll('a', attrs={'class': 'bookTitle'})

author = soup.findAll('a', attrs={'class' : 'authorName'})

count = 0

for x in range (0, len(title)):

  count += 1

   print("{0}. {1}\n    .(2)". format(count, title[x].text.strip(), author[x].text.strip()))