**DAILY REPORT**

**Student Name :SINDHU.N**

**Class and Sec : VI B**

**USN :4AL17CS094**

**DATE:08-07-2020**

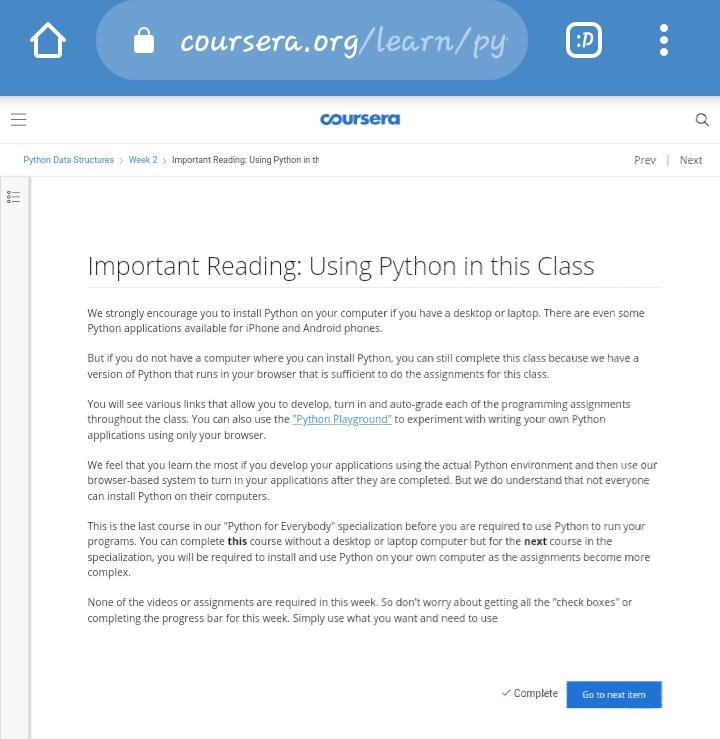
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| --- | --- | --- | --- | --- |
| **Online Test Details** | | | | |
| **Subject** | **-------** | | | |
| **Semester** | **VI -B** | | **Duration** | **------** |
| **% of marks** | | **----** | | |

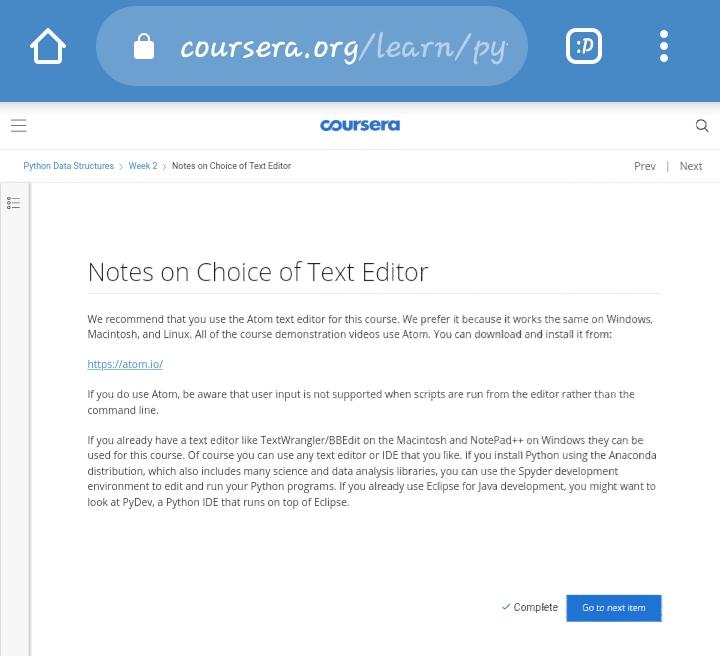
**Snapshot of the test result**

|  |  |  |  |
| --- | --- | --- | --- |
| **Certification Course Details** | | | |
| **Course** | Cloud-computing(9.00-11.15am pre-placement training)  Python Data Structure | | |
| **Certificate Provider** | coursera | **Duration** | 19hours |

**Snapshots of the daily class acitivities**

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| **Coding Challenges** | |
| **Problem Statement:** 1.Python program to reverse a linked list. | |
| **Status:** Executed | |
| **Uploaded the report both in Github & Slack** | Yes |

**Snapshots of your response to challenge.**

1. **Python program to reverse a linked list.**

class Node:

def \_\_init\_\_(self, data):

self.data = data

self.next = None

class LinkedList:

def \_\_init\_\_(self):

self.head = None

self.last\_node = None

def append(self, data):

if self.last\_node is None:

self.head = Node(data)

self.last\_node = self.head

else:

self.last\_node.next = Node(data)

self.last\_node = self.last\_node.next

def display(self):

current = self.head

while current:

print(current.data, end = ' ')

current = current.next

def reverse\_llist(llist):

before = None

current = llist.head

if current is None:

return

after = current.next

while after:

current.next = before

before = current

current = after

after = after.next

current.next = before

llist.head = current

a\_llist = LinkedList()

data\_list = input('Please enter the elements in the linked list: ').split()

for data in data\_list:

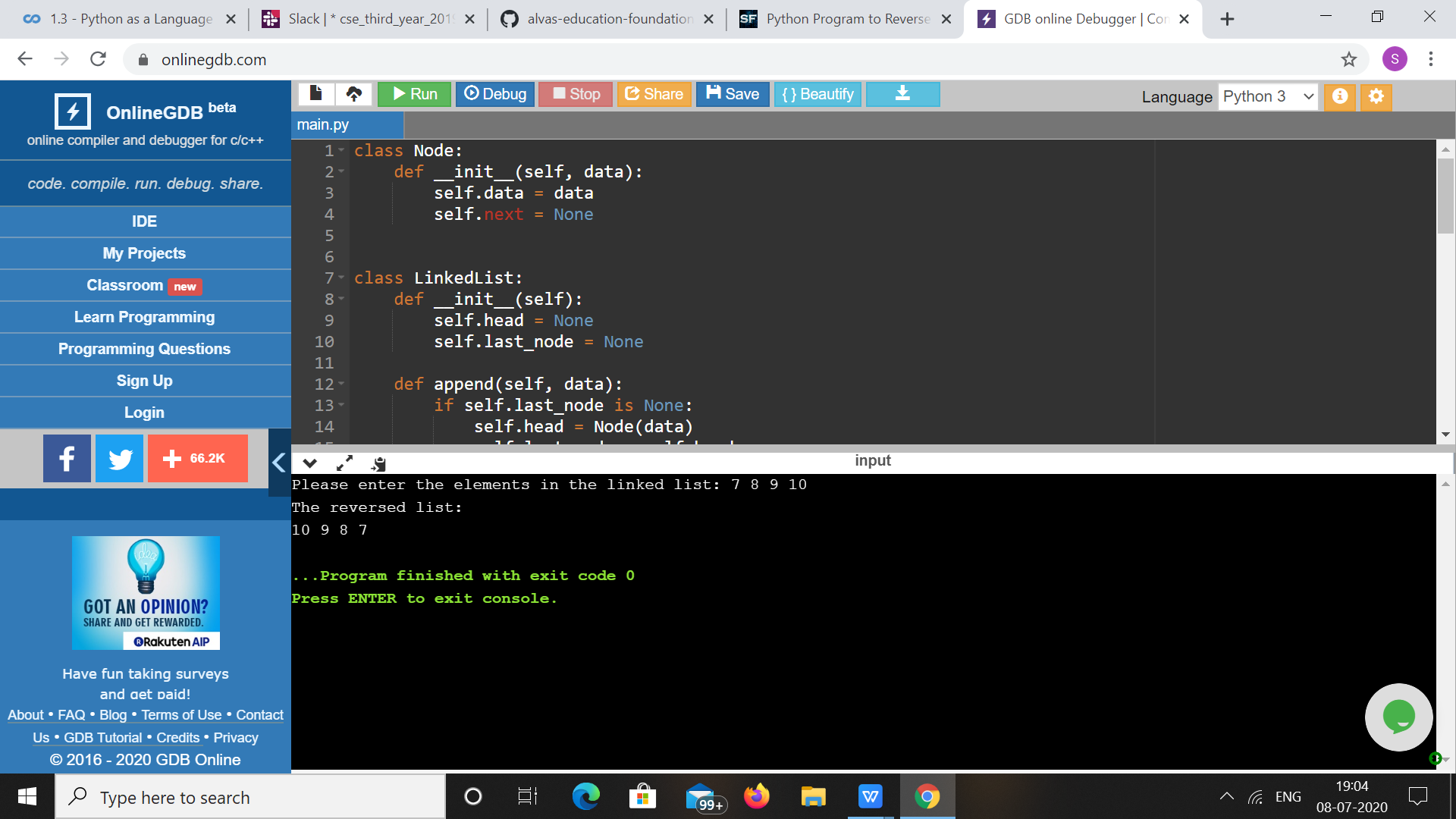
a\_llist.append(int(data))

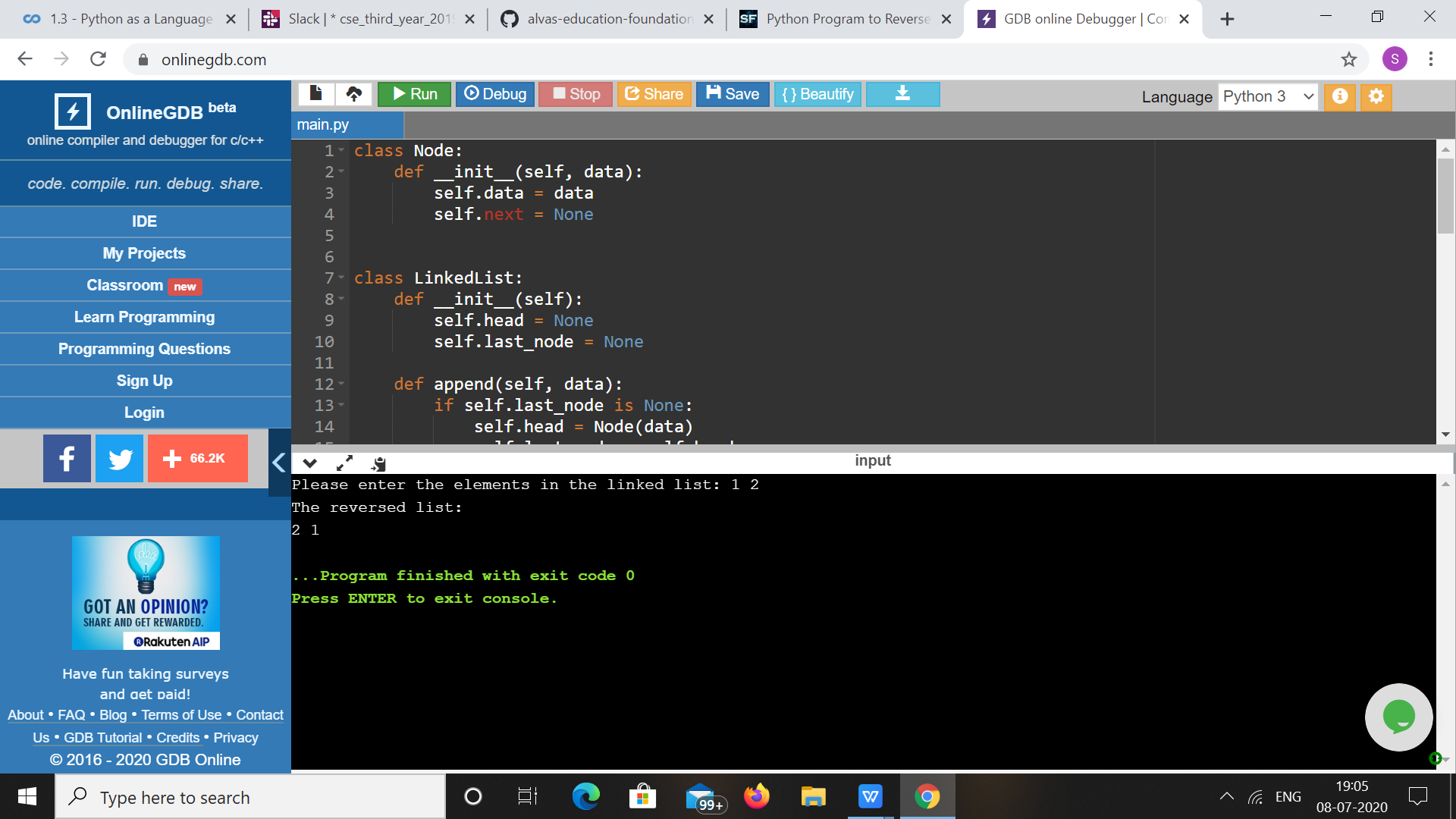
reverse\_llist(a\_llist)

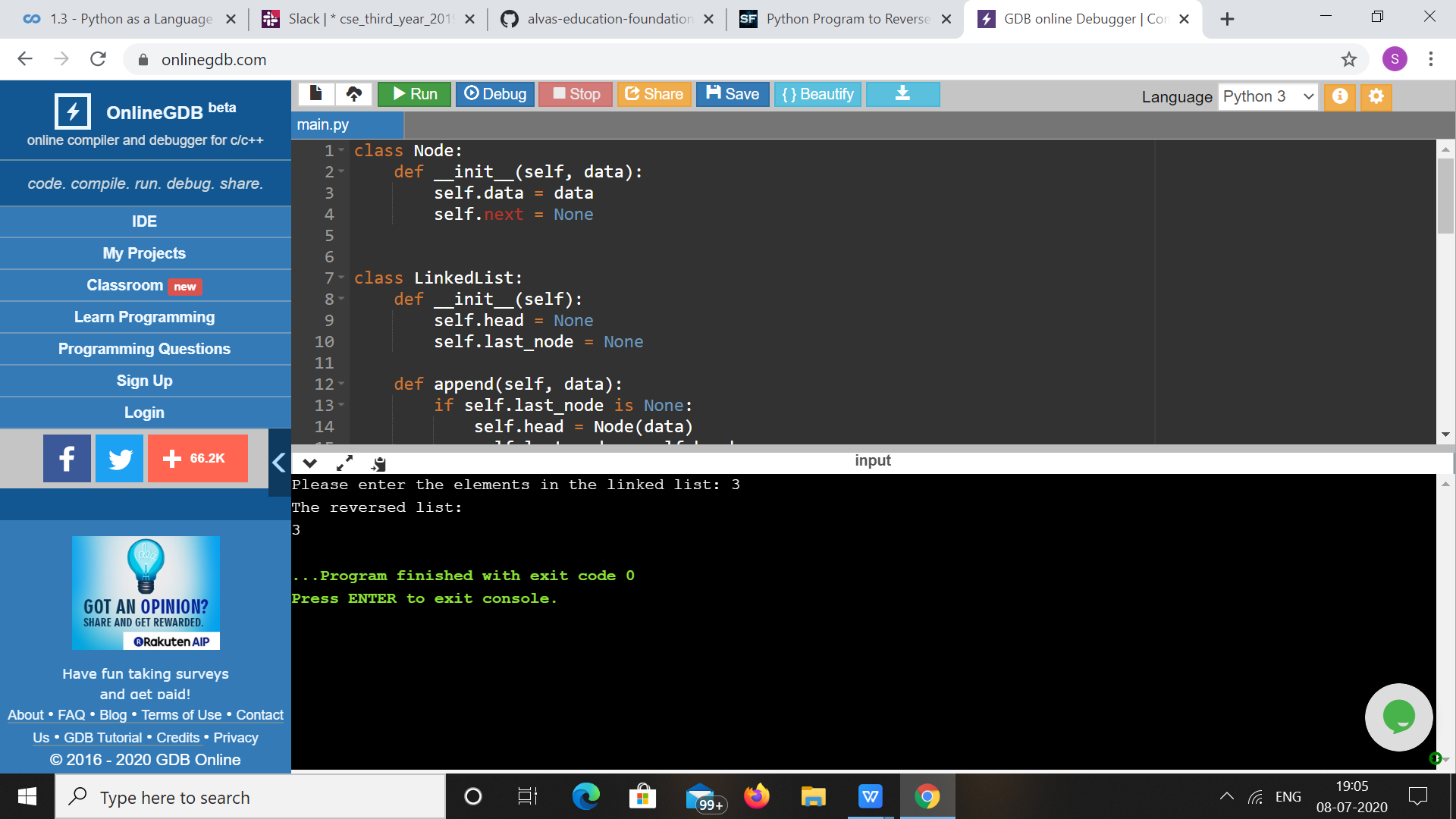
print('The reversed list: ')

a\_llist.display()

**OUTPUT**

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