

<b>NAME</b>	<b>SRUTHIKA G</b>
<b>REG NO</b>	<b>311520104047</b>
<b>TEAM ID</b>	<b>NM2023TMID07210</b>
<b>EMAIL ID</b>	<b>sruthikagovindarajan@gmail.com</b>
<b>NM ID</b>	<b>0C59004B7E62E3EBC6B460FB6EC585CA</b>
	<b>ASSIGNMENT - 4</b>

<b>Task - 1</b>	<b>Create two list and join those two list.</b>
-----------------	---

### Coding:

```
list1 = ["N", "A", "A", "N"]
list2 = [9, 7, 8, 9, 1, 2, 3, 9, 0, 0]
list1.extend(list2)
print(list1)
```

### Output:

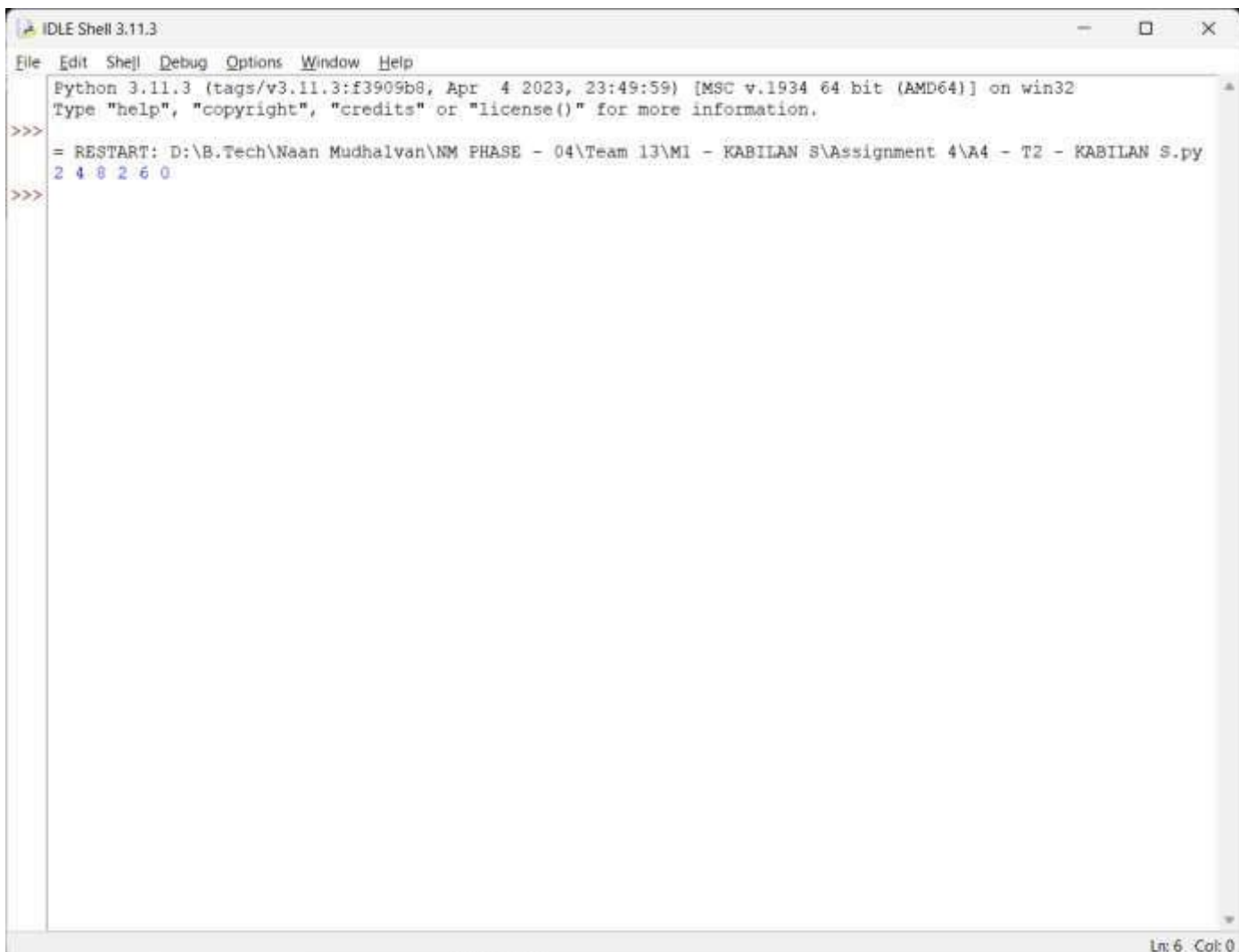
```

IDLE Shell 3.11.3
File Edit Shell Debug Options Window Help
Python 3.11.3 (tags/v3.11.3:f3909b8, Apr  4 2023, 23:49:59) [MSC v.1934 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
= RESTART: D:\B.Tech\Naan Mudhalvan\NM PHASE - 04\Team 13\MI - KABILAN S\Assignment 4\A4 - T1 - KABILAN S.py
['N', 'A', 'A', 'N', 9, 7, 8, 9, 1, 2, 3, 9, 0, 0]
>>>

```

**Task - 2****With if statement find the even numbers.****Coding:**

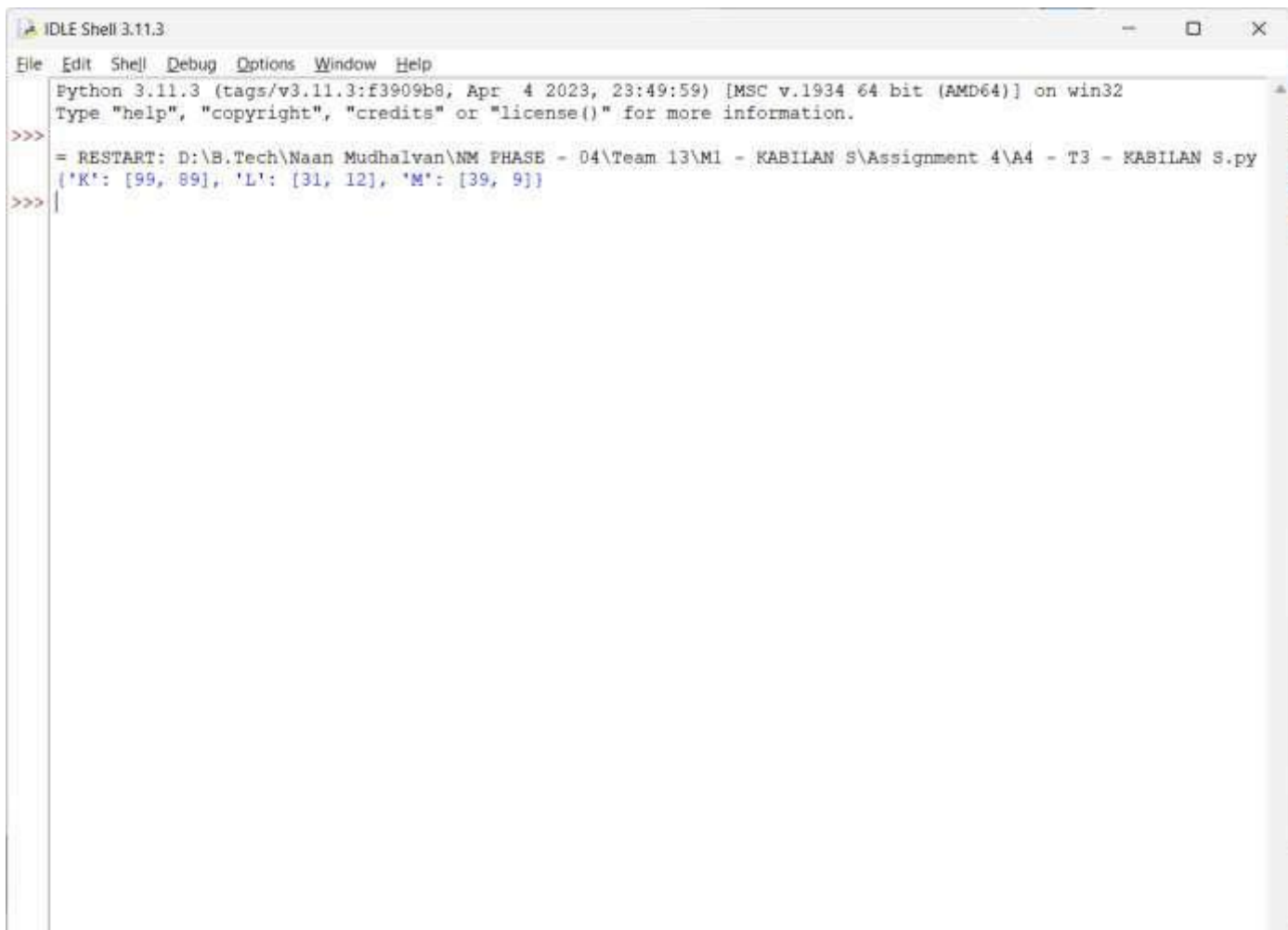
```
list1 = [1, 2, 3, 4]
list2 = [9, 7, 8, 9, 1, 2, 3, 9, 6, 0]
list3=list1.extend(list2)
for n in list1:
    if (n%2==0):
        print(n, end=" ")
```

**Output:**

```
IDLE Shell 3.11.3
Python 3.11.3 (tags/v3.11.3:f3909b8, Apr  4 2023, 23:49:59) [MSC v.1934 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
= RESTART: D:\B.Tech\Naan Mudhalvan\NM PHASE - 04\Team 13\M1 - KABILAN S\Assignment 4\A4 - T2 - KABILAN S.py
2 4 8 2 6 0
>>>
```

**Task – 3****Create a Dictionary with 3 keys and 2 values for each key.****Coding:**

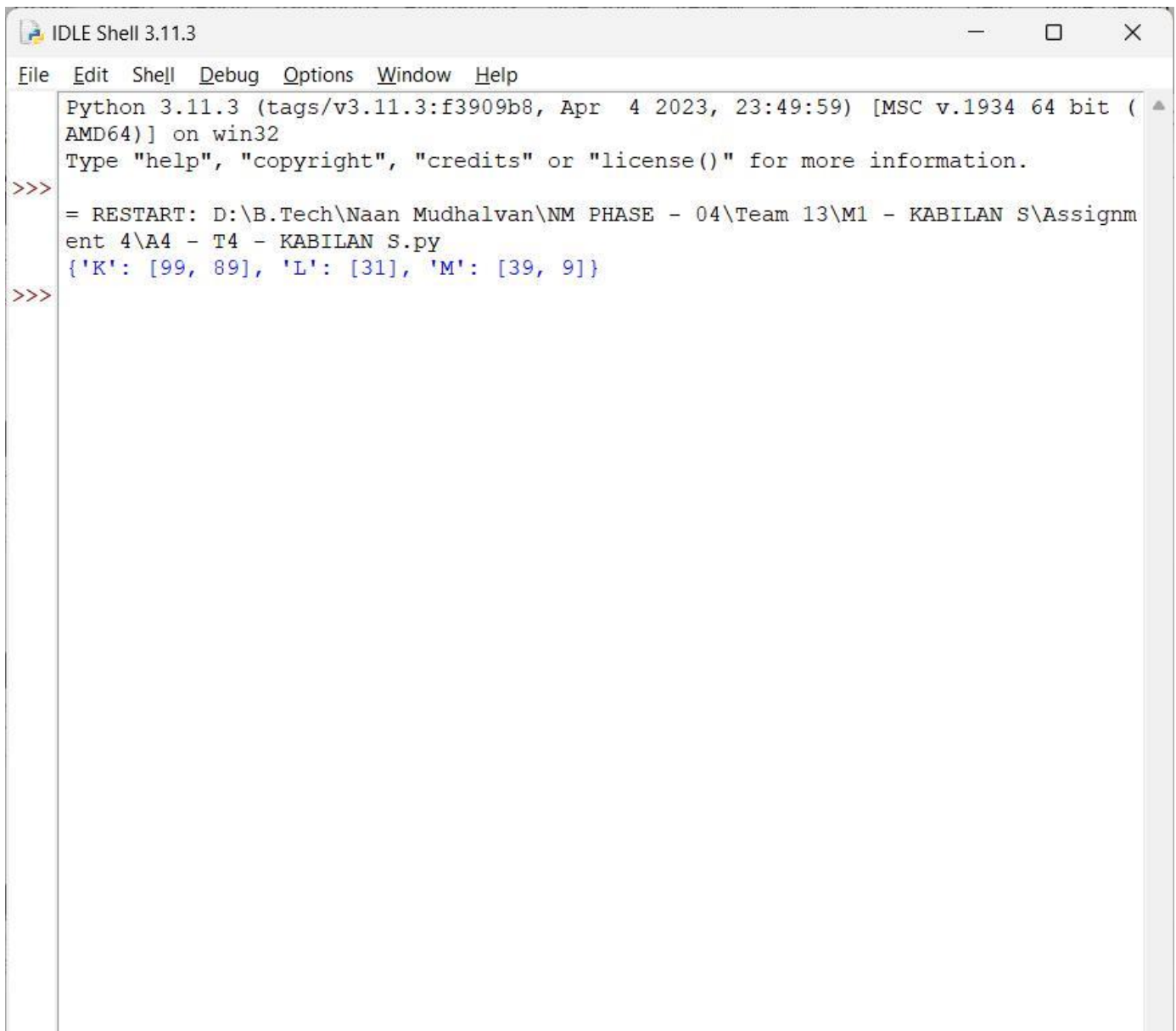
```
k = {'K':[99, 89], 'L':[31, 12], 'M':[39, 9]}  
print(k)
```

**Output:**

```
IDLE Shell 3.11.3  
File Edit Shell Debug Options Window Help  
Python 3.11.3 (tags/v3.11.3:f3909b8, Apr 4 2023, 23:49:59) [MSC v.1934 64 bit (AMD64)] on win32  
Type "help", "copyright", "credits" or "license()" for more information.  
>>> = RESTART: D:\B.Tech\Naan Mudhalvan\NM PHASE - 04\Team 13\M1 - KABILAN S\Assignment 4\A4 - T3 - KABILAN S.py  
>>> {'K': [99, 89], 'L': [31, 12], 'M': [39, 9]}
```

**Task – 4****Create a function with if statement which is used to find the odd numbers.****Coding:**

```
def odd_elements(dictionary):  
    return {key: [x for x in value if x % 2 != 0] for key, value in  
dictionary.items()} dictionary = {'K':[99, 89], 'L':[31, 12], 'M':[39, 9]} filter_dict =  
odd_elements(dictionary)  
print(filter_dict)
```

**Output:**

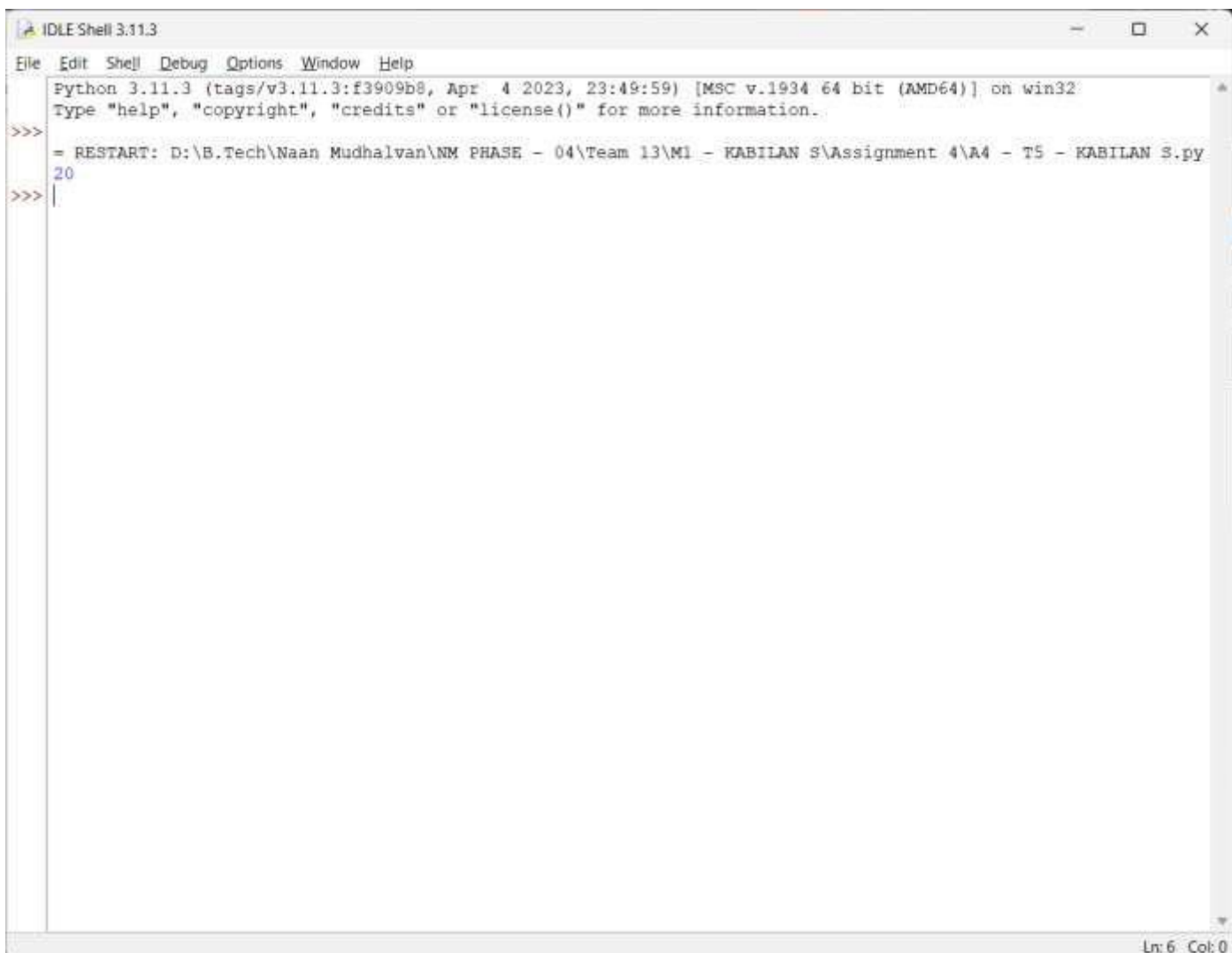
```
IDLE Shell 3.11.3  
File Edit Shell Debug Options Window Help  
Python 3.11.3 (tags/v3.11.3:f3909b8, Apr 4 2023, 23:49:59) [MSC v.1934 64 bit (AMD64)] on win32  
Type "help", "copyright", "credits" or "license()" for more information.  
>>>  
= RESTART: D:\B.Tech\Naan Mudhalvan\NM PHASE - 04\Team 13\M1 - KABILAN S\Assignment 4\A4 - T4 - KABILAN S.py  
{'K': [99, 89], 'L': [31], 'M': [39, 9]}  
>>>
```

<b>list. Task</b>	<b>Write a Python function to sum all the numbers in a</b> <b>5 Sample List : (8,2,3,0,7)</b> <b>Expected Output : 20</b>
-------------------	---

### Coding:

```
list = [8,2,3,0,7]
print(sum(list))
```

### Output:



```
IDLE Shell 3.11.3
Python 3.11.3 (tags/v3.11.3:f3909b8, Apr  4 2023, 23:49:59) [MSC v.1934 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>> = RESTART: D:\B.Tech\Naan Mudhalvan\NM PHASE - 04\Team 13\M1 - KABILAN S\Assignment 4\A4 - T5 - KABILAN S.py
20
>>> |
```

Ln: 6 Col: 0