NM DATA ANALYSIS ASSIGNMENT 4

DONE BY Saranya R P

Task - 1 Create two list and join those two list

```
In [1]:  hi = [9, 8,
         bye = [2, 0,

         jointed_lists hi    bye print
         (jointed_lists)
```

```
[9, 8, 1, 6, 5, 2, 0, 5, 5, 7]
```

Task - 2 With If statement find the even numbers

```
numbers = [9, 8 even numbers = for
num in numbers: if num % 2 == 0:
even_numbers . append (num) print
(even_numbers)
```

```
In    :
```

Task - 3 Create a dictionary with 3 keys and 2 values for each key

```
current status
    'Temperature'   ['23', 1 16'],
    'Humidity' :          1 50'],
  'Pollution ' : [' 100 ',' 200 ']
```

```
In [ ]:
```

```
print (current_status)
```

{ 'Temperature' :['23 ',' 16'] 'Humidity' : ['34 ',   '50 '] ,'Pollution ' : ['100 ',   '200 '] }

Task - 4 Create a function with If statement whis is used to find the odd numbers

```
def find_odd_numbers(numbers) :
    odd numbers _for num
    in numbers:
        if num % 2 ! = e:
            odd_numbers . append (num)
    return odd numbers
```

n [ ]:

```
numbers      4] odd nums
    find_odd_numbers(numbers) print
(odd_nums)
```

Task - 5

Write a Python function to sum all the numbers in a list. Sample List : (8, 2, 3, 0, 7) Expected Output : 20

n [ ]:
```python
def sum_list(numbers):
list (numbers) :
        total - sum(numbers) return total input_str input ("Enter a list of
    numbers separated by Commas: ")user_input input_str. split( " , " )
    user numbers  =  [int(num) for num in user_input] result
    sum_list(user_numbers) print("Sum of the numbers: " result)
```

Enter a list of numbers separated by Commas:8,2,3,
Sum of the numbers: 20

ALL THIS ASSIGNMENT DONE BY RESHMA J