

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,
joined_lists hi    bye print
(joined_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)
```

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

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

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 != 0:  
            odd_numbers.append(num)  
n [ ]: return odd_numbers  
  
numbers = [1, 2, 3, 4, 5, 6, 7, 8, 9, 10]  
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 [ ]: def sum_list(numbers):  
list (numbers) :  
    total = 0  
    for num in numbers:  
        total += num  
    return total  
input_str = input("Enter a list of  
numbers separated by Commas: ")  
user_numbers = [int(num) for num in input_str.split(",")]  
result = sum_list(user_numbers)  
print("Sum of the numbers: " + str(result))
```

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

ALL THIS ASSIGNMENT DONE BY SARANYA R P