NM DATA ANALYSIS ASSIGNMENT 4

TEAM ID : NM2023TMID05008

Task – 1 Create two list and join those two list

```
In [1]: hi = [9, 8, 1, 6, 5]
        bye = [2, 0, 5, 5, 7]
        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

```
In [ ]: numbers = [9, 8, 1, 6, 2, 0, 5, 7, 3, 4]
        even_numbers = []
        for num in numbers:
            if num % 2 == 0:
                even_numbers.append(num)
        print(even_numbers)
```

```
[8, 6, 2, 0, 4]
```

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

```
In [ ]: 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

```
In [ ]: def find_odd_numbers(numbers):
            odd_numbers = []
            for num in numbers:
                if num % 2 != 0:
    odd_numbers.append(num)
            return odd_numbers


        numbers = [9, 8, 1, 6, 2, 0, 5, 7, 3, 4]
        odd_nums = find_odd_numbers(numbers)
        print(odd_nums)
```

```
[9, 1, 5, 7, 3]
```

Task – 5

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

```
In [ ]: def sum_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: 8,2,3,0,7
Sum of the numbers: 20
```

ALL THIS ASSIGNMENT DONE BY SAMUEL SOLOMON