

NM DATA ANALYSIS ASSIGNMENT 4

Done by ASHWIN .A

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
```