# NM DATA ANALYSIS ASSIGNMENT 4

DONE BY ABHINAYA PREMCHAND TEAM ID : NM2023TMID07243

# 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