

AI ML Assingment 1 (Basic Python)

Task 1

Create two list and join those two list

```
In [2]: list_1 = [1,2,3,4,5]
list_2 = [6,7,8,9,10]

#joined list is

joined_list = list_1 + list_2
print(joined_list)

[1, 2, 3, 4, 5, 6, 7, 8, 9, 10]
```

Task 2

With if statement find the even number

```
In [6]: #lets find the even numbers from the list

print("Even numbers are: ", end="");
for i in range(0,len(joined_list)):
    if(joined_list[i]%2==0):
        print(joined_list[i],end=" ")

Even numbers are: 2 4 6 8 10
```

Task 3

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

```
In [15]: my_dict = {
    'key1':['apple','orange'],
    'key2':['cherry','grape'],
    'key3':['guava','mango'],
}

print(my_dict)

{'key1': ['apple', 'orange'], 'key2': ['cherry', 'grape'], 'key3': ['guava', 'mango']}
```

Task 4

Create a function with if statement which is used to find the odd numbers

```
In [16]: #function to find odd numbers

def odd_num(list_num):
    print("Odd numbers are: ", end="")
    for i in list_num:
        if(i%2!=0):
            print(i,end=" ")

#function call
odd_num(joined_list)
```

Odd numbers are: 1 3 5 7 9

Task 5

Wrtie a python function to sum all the numbers in a list

```
In [19]: #function to sum all the numbers in the list

def sum_of_numbers(fun_list):
    Sum = 0
    for num in fun_list:
        Sum = Sum + num
    print("Output:",Sum)

#calling function
sample_list = [8,2,3,0,7]
sum_of_numbers(sample_list)
```

Output: 20

In []: