ASSIGNMENT-4 (BASIC PYTHON)

IBM ID: 2K20cse097@kiot.ac.in

NAME: NISHA C

TASK-1

Creation of two list and merging them.

```
TASK-1

CREATION OF LIST

In [1]: list1=[1,2,3,4,5]
        list2=[6,7,8,9,10]

JOINING OF TWO LIST

In [3]: join=list1+list2
        print(join)

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

TASK-2

With if Statement find even numbers

```
TASK-2

EVEN NUMBER USING IF

In [9]: even=[]
        for n in join:
            if n%2==0:
                even.append(n)
        print(even)

[2, 4, 6, 8, 10]
```

TASK-3

Create dictionaries with 3 keys and 2 values for each key.

TASK-3

CREATE DICTIONARY

```python
In [11]: dict={"Student_1":['xxx',123],
              "Student_2":['yyy',432],
              "Student_3":['zzz',87]}
```

TASK-4

Create function with if Statement to find odd numbers.

TASK-4

CREATE FUNCTION TO FIND ODD

```python
In [12]: def find_odd(join):
             odd=[]
             for n in join:
                 if n%2!=0:
                     odd.append(n)
             return odd
```

```python
In [13]: odd=find_odd(join)
         print(odd)

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

TASK-5

Write a Python function to sum all the numbers in a list.

Sample List: (8, 2, 3, 0, 7)

Expected Output: 20

TASK-5

PYTHON FUNCTION TO SUM NUMBERS IN LIST

```python
In [16]: def sum_num(sample):
             tot=0
             for n in sample:
                 tot+=n
             return tot
```

```python
In [17]: sample=[8,2,3,0,7]
         sum=sum_num(sample)
         print(sum)
```

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