

ASSIGNMENT-4 (BASIC PYTHON)

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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

```
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

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

```
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

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

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

20