

# ASSIGNMENT-4 (BASIC PYTHON)

IBM ID: [2K20cse002@kiot.ac.in](mailto:2K20cse002@kiot.ac.in)

NAME: AHALYA S

## 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)
```

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