

ASSIGNMENT-4

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Task - 1 Create two list and join those two list

```
list_1=[1,2,3,4,5]
list_2=[6,7,8,9,10,11]
variable_list=list_1+list_2;
print(variable_list);

[1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11]
```

Task - 2 With If statement find the even numbers

```
number=[1,2,3,4,5,6,7,8]
result=[]
i=0
for num in number:
    if num%2 == 0:
        result.append(num);
print (result)

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

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

```
keys=['key 1','key 2','key 3']
values=[[2,3], [5,6], [1,7]]
my_dic={keys[i] : values[i] for i in range(len(keys))}
print(my_dic)

{'key 1': [2, 3], 'key 2': [5, 6], 'key 3': [1, 7]}
```

Task - 4 Create a function with If statement whis is used to find the odd numbers

```
number=[1,4,5,10,11,14,15]
result=[]
i=0
for num in number:
    if num%2!=0:
        result.append(num);
print (result)

[1, 5, 11, 15]
```

Task - 5 Write a Python function to sum all the numbers in a list. Sample List : (8, 2, 3, 0, 7) Expected Output : 20

```
def sum_list(numbers):
    total = sum(numbers)
    return total
my_list = [8, 2, 3, 0, 7]
total = sum_list(my_list)
print(total)
```

