

# ASSIGNMENT-4(BASIC PYTHON)

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## TASK: 1

Creation of two list and merging them.

```
+ Code + Text

[ ] list1 = [0, 1, 2, 3, 4]
    list2 = [5, 6, 7, 8]
    joined_list = list1 + list2
    print(joined_list)

[0, 1, 2, 3, 4, 5, 6, 7, 8]
```

## TASK: 2

With If statement find the even numbers

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

[0, 2, 4, 6, 8]
```

## TASK: 3

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

```
[ ] keys = ['key1', 'key2', 'key3']
    values = [[1, 2], [3, 4], [5, 6]]
    my_dict = {}
    for i in range(len(keys)):
        my_dict[keys[i]] = values[i]
    print(my_dict)

{'key1': [1, 2], 'key2': [3, 4], 'key3': [5, 6]}
```

## TASK: 4

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

```
numbers = [1, 2, 3, 4, 5, 6, 7, 8, 9, 10]
odd_numbers = []
for num in numbers:
    if num % 2 != 0:
        odd_numbers.append(num)
print(odd_numbers)
```

[1, 3, 5, 7, 9]

## TASK: 5

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

```
my_list = [8, 2, 3, 0, 7]
total = 0
for num in my_list:
    total += num
print(total)
```

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