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DATA ANALYTICS
ASSIGNMENT-4

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Task - 1 Create two list and join those two list
Task - 2 With If statement find the even numbers
Task - 3 Create a dictionary with 3 keys and 2 values for each key
Task - 4 Create a function with If statement whis is used to find the odd numbers

Task - 5

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

```
list1 = [0 ,1, 2, 3, 4]
list2 = [5, 6, 7, 8,9]
joined_list = list1 + list2
print(joined_list)
```

```
[0, 1, 2, 3, 4, 5, 6, 7, 8, 9]
```

```
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]
```

```
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]}`

```
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]
```

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

```
20
```