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ASSIGNMENT - 4	

Task - 1 Create two lists and join those two lists

```
1   list1 = ["1", 2, "abc", 131, 67, "A113"]
2   list2 = ['a', 'b', "c", "d", 46]
3   list3 = list1 + list2
4   print(list3)
```

```
['1', 2, 'abc', 131, 67, 'A113', 'a', 'b', 'c', 'd', 46]
```

Task - 2 With IF statement find the even numbers

```
1   numbers = [0, 1, 2, 3, 4, 5, 6, 7, 8, 4564556]
2   print("Even numbers: ",end="")
3   for num in numbers:
4     if num % 2 == 0:
5       print(num, end =" ")
```

```
Even numbers: 0 2 4 6 8 4564556
```

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

```
1   dict1 = {
2       'numbers': [1, 2],
3       'letters': ('a',"b"),
4       'symbols': {'@', "#"}
5   }
6   print(dict1)
```

```
{'numbers': [1, 2], 'letters': ('a', 'b'), 'symbols': {'#', '@'}}
```

Task - 4 Create a function with IF statement which is used to find the odd numbers

```
1   def oddnumbers(numbers):
2     print("Odd numbers: ",end="")
3     for num in numbers:
4       if num % 2 != 0:
5         print(num, end =" ")
6   oddnumbers([0, 1, 2, 3, 4, 5, 6, 7, 8])
```

```
Odd numbers: 1 3 5 7
```

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

```python
1   def sum_numbers(numbers):
2     s = 0
3     for num in numbers:
4       s += num
5     return s
6   print("Sum: ",sum_numbers([8, 2, 3, 0, 7]))
```

```
Sum:  20
```