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<b>ASSIGNMENT - 4</b>	

**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**

```
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