

Assignment 1 - Module - 5

1. Sum all the items in a list.

```
def sum-list(items):
```

```
    sum-numbers = 0
```

```
    for x in items:
```

```
        sum-numbers += x
```

```
    return sum-numbers
```

```
print(sum-list([1, 2, -8]))
```

output
= -5

2. $n = 5$

```
l = [{} for _ in range(n)]
```

```
print(l)
```

output

[{}, {}, {}, {}, {}]

3. `num = {'physics': 80, 'math': 90, 'chemistry': 87}`

```
print(list(num)[0])
```

output: physics

4. `d = {'Red': 1, 'Green': 2, 'Blue': 3}`

```
for color-key, value in d.items():
```

```
    print(color-key, 'corresponds to', d[color-key])
```

output:

Red corresponds to 1

Green corresponds to 2

Blue corresponds to 3

5. `my_dict = {'data1': 200, 'data2': -64, 'data3': 247}`
`print(sum(my_dict.values()))`

output : 383

6. ~~dict1 = {}~~

`dic1 = {1: 10, 2: 20}`

`dic2 = {3: 30, 4: 40}`

`dic3 = {5: 50, 6: 60}`

`dic4 = {}`

`for d in (dic1, dic2, dic3): dic4.update(d)`
`print(dic4)`

output:

`{1: 10, 2: 20, 3: 30, 4: 40, 5: 50, 6: 60}`