1. Write a Python program to Extract Unique values dictionary values? ¶

In [1]:

```
d={"a":1,"b":2,"c":3,"d":2}
print(*set(d.values()))
```

```
1 2 3
```

2. Write a Python program to find the sum of all items in a dictionary?

In [2]:

```
d={"a":1,"b":2,"c":3,"d":2}
print(sum(d.values()))
```

```
8
```

3. Write a Python program to Merging two Dictionaries?

In [5]:

```
d={"a":1,"b":2}
d1={"c":3,"d":2}
d.update(d1)
print(d)
```

```
{'a': 1, 'b': 2, 'c': 3, 'd': 2}
```

4. Write a Python program to convert key-values list to flat dictionary?

In [6]:

```
k=[("a",1),("b",2),("c",3),("d",2)]
d={}
for i in k:
    d[i[0]]=i[1]
print(d)
```

```
{'a': 1, 'b': 2, 'c': 3, 'd': 2}
```

5. Write a Python program to insertion at the beginning in OrderedDict?

In [9]:

```
from collections import OrderedDict

d=OrderedDict([("a",1),("b",2),("c",3)])

d["d"]=2
d.move_to_end("d",last=False)
print(d)
```

```
OrderedDict([('d', 2), ('a', 1), ('b', 2), ('c', 3)])
```

6. Write a Python program to check order of character in string using OrderedDict()?

In [10]:

```
from collections import OrderedDict

def check_order_of_characters(string):
    ordered_dict = OrderedDict()
    for char in string:
        ordered_dict[char] = None

    ordered_string = ''.join(ordered_dict.keys())

    return ordered_string == string

input_string = "hai"
is_ordered = check_order_of_characters(input_string)
print(is_ordered)

```

```
True
```

7. Write a Python program to sort Python Dictionaries by Key or Value?

In [12]:

```
d={"b":2,"c":3,"a":1,"d":4}
#sorting by keys
print(dict(sorted(d.items())))
```

```
{'a': 1, 'b': 2, 'c': 3, 'd': 4}
```

In [14]:

```
d={"b":2,"c":10,"a":1,"d":4}
# sort by values

print(dict(sorted(d.items(),key=lambda x:x[1])))
```

```
{'a': 1, 'b': 2, 'd': 4, 'c': 10}
```