**Dictionary**

**Unordered collection of Key-Value pairs**

* Represented {}
* Key value pair
* Keys can not be duplicated
* Values can be duplicated
* Does not support index based operations so no slicing as well
* Mutable
* Keys are immutable

d1 = {1: "a", 2: "d", [2,3,4]:"c"} 🡪 TypeError: unhashable type: 'list'

because [2,3,4] list ahe ani ti mutable ahe

d1 = {1: "a", 2: "d", (3,5,6):"c"} 🡪 tuple immutable ahe so allowed ahe

* Dictionary value are mutable or immutable
* >>> d1 = {1: "a", 2: "d", (3,5,6):"c"} keys ne values fetch kelya jatat
* >>> d1[1]
* 'a'
* >>> d1[2]
* 'd'
* >>> d1[(3,5,6)]
* 'c'

>>> d1[0] 🡪 IndentationError: unexpected indent

Because index based operation support nahi karat

**To print only keys or only values of dictionary (keys() OR values())**

l4 = {"a1":234, "b1":456, "c1":895}

print(l4.keys())

dict\_keys(['a1', 'b1', 'c1'])

l4 = {"a1":234, "b1":456, "c1":895}

print(l4.values())

dict\_values([234, 456, 895])

l3.extend({"a1":"rhfurr", "b1":"def", "c1":"edwe"}.values()) If we want to extend the values then……

[1, 3, 5, 8, 'rhfurr', 'def', 'edwe']