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In [1]: '''
        "Key" : "Value"
        '''

Out[1]: '\n"Key" : "Value"\n'

In [2]: a = {"Name": "Utsav", "Age": 19, "Id": 9, }
        print(a)

        {'Name': 'Utsav', 'Age': 19, 'Id': 9}

In [3]: print(a.get("Name", "Utsav Patel"))
        print(a)

        Utsav
        {'Name': 'Utsav', 'Age': 19, 'Id': 9}

In [4]: print(a.get("Course", "Python"))
        print(a)

        Python
        {'Name': 'Utsav', 'Age': 19, 'Id': 9}

In [5]: print(a.setdefault("Name", "Utsav Patel")) # if Name is null
        print(a.setdefault("Course", "Python"))    # set key and value
        print(a)

        Utsav
        Python
        {'Name': 'Utsav', 'Age': 19, 'Id': 9, 'Course': 'Python'}

In [6]: a = ("Name", "Age", "Course")
        b = dict.fromkeys(a, 10)
        print(b)

        {'Name': 10, 'Age': 10, 'Course': 10}

In [7]: for x,y in b.items():
        print(x)
        print(y)
        b[x] = input("Please Enter value of {}: ".format(x))
        print('\n')

        print(b)

        Name
        10
        Please Enter value of Name: mohit

        Age
        10
        Please Enter value of Age: 22

        Course
        10
        Please Enter value of Course: python

        {'Name': 'mohit', 'Age': '22', 'Course': 'python'}

In [8]: a = {'Name': 'Utsav', 'Age': 19, 'Id': 9, 'Course': 'Python'}
        a.update({"Name": "World", 'Age' : 21})
        print(a)

        {'Name': 'World', 'Age': 21, 'Id': 9, 'Course': 'Python'}

In [9]: for x,y in a.items():
        if y == 21:
            print(x)

        Age

In [10]: print(a.keys())
        print(a.values())
        print(a.items())

        dict_keys(['Name', 'Age', 'Id', 'Course'])
        dict_values(['World', 21, 9, 'Python'])
        dict_items([('Name', 'World'), ('Age', 21), ('Id', 9), ('Course', 'Python')])

In [11]: print(a)

        a.pop("Course")
        print(a)

        a.popitem() # remove last key_value
        print(a)

        b = a.copy()
        print(b)

        {'Name': 'World', 'Age': 21, 'Id': 9, 'Course': 'Python'}
        {'Name': 'World', 'Age': 21, 'Id': 9}
        {'Name': 'World', 'Age': 21}
        {'Name': 'World', 'Age': 21}

In [12]: print(max(a))
        print(min(a))
        print(len(a))
        # print(a+b) # can not be done

        Name
        Age
        2

In [13]: a.clear()
        print(a)

        {}

In [14]: test_dict = {"Arushi": 22, "Mani": 21, "Haritha": 21}
        print(test_dict)

        del test_dict['Mani']
        print(test_dict)

        {'Arushi': 22, 'Mani': 21, 'Haritha': 21}
        {'Arushi': 22, 'Haritha': 21}

In [ ]:
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