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Class – 350

Ques : Write a program to demonstrate working with dictionaries in python.

Source Code:

```
print("hello")

#dictionary

dict1={"animal":"lion","sweet":"rasgulla","number":1}

print(dict1)

#dictonary key

dict2={"govind":"choclate","dipSardar":"rasgulla","vedansh":"golgappe"}

print(dict2["govind"])

#nested dictionary

dict3={"govind":"choclate","dipSardar":"rasgulla","vedansh":"golgappe","jessica":{"lunch":"rice","dinner
":"roti"}}

print(dict3["jessica"])

#length of dictionary

print(len(dict3))

#addition

dict2["str"]="kind"

print(dict2)

#deletion in dictionary 2

del dict2["str"]

print(dict2)

#pop function & pop item

dict2.pop("govind")
```

```
print(dict2)

dict1.popitem()   #pop ite from last

print(dict1)

#no repetatiion of key otherwie it overwrites

d3={"number":7,"number":3}

print(d3)

# deletion of dictionary

#del d3

# print(d3)  #cause error of not found dictionary

d3.clear()

print(d3)

# copy one dictionary to another

d4=d3.copy()

print(d4)

d3["number"]=2020

#pint value of key

print(d3.get("number"))

#update number

d3.update({"har":"jas","om":"krit","nav":"een"})

print(d3)

d3["om"]="singh"

print(d3)

#print keys only & values only seperatly

print(d3.keys())

print(d3.values())

z=dict(list(d3.items())+list(d4.items()))

print(z)
```

Output:

```
hello
{'animal': 'lion', 'sweet': 'rasgulla', 'number': 1}
choclate
{'lunch': 'rice', 'dinner': 'roti'}
4
{'govind': 'choclate', 'dipSardar': 'rasgulla', 'vedansh': 'golgappe', 'str': 'kind'}
{'govind': 'choclate', 'dipSardar': 'rasgulla', 'vedansh': 'golgappe'}
{'dipSardar': 'rasgulla', 'vedansh': 'golgappe'}
{'animal': 'lion', 'sweet': 'rasgulla'}
{'number': 3}
{}
{}
2020
{'number': 2020, 'har': 'jas', 'om': 'krit', 'nav': 'een'}
{'number': 2020, 'har': 'jas', 'om': 'singh', 'nav': 'een'}
dict_keys(['number', 'har', 'om', 'nav'])
dict_values([2020, 'jas', 'singh', 'een'])
{'number': 2020, 'har': 'jas', 'om': 'singh', 'nav': 'een'}
```