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In [1]:
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#Q1.Create a dictionary 'student' with keys roll_no, name, age, contact,Assign value
student={'Roll_No':47, 'Name': 'Sumit', 'Age':22, 'Contact':8625866960}
print(student)
{'Roll_No': 47, 'Name': 'Sumit', 'Age': 22, 'Contact': 8625866960}
In [3]:
#Q2. Create a dictionary 'stud' with keys roll no and name. Assign values of your keys.
stud={'Roll_No':47, 'Name': 'Sumit'}
print(stud)
{'Roll_No': 47, 'Name': 'Sumit'}
In [4]:
#Q3. Create an empty dictiopnary by the name sample.
sample={}
In [7]:
#Q4. Create a tuple and add it as a key to dictionary Sample. Assign values of your keys.
tuple={('Sample'): 'Sumit'}
print(tuple)
{'Sample': 'Sumit'}
In [8]:
#Q5. Retrieve the value of name from 'Student'.
x=student.get('Name')
print(x)
Sumit
In [11]:
#Q6. Update the value of age to 30 in 'Student'.
student.update({'Age': '20'})
print(student)
{'Roll_No': 47, 'Name': 'Sumit', 'Age': '20', 'Contact': 8625866960}
In [12]:
#Q7. Find how many elements are present in dictionary 'stud'.
print(len(stud))
2
In [13]:
#Q8.Produce a printable string representation of dictionary 'stud'.
print("String: %s"%str (stud))
String: {'Roll_No': 47, 'Name': 'Sumit'}
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In [14]:
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#Q9. Retrieve all the keys from 'Student'.
print(student.keys())
dict_keys(['Roll_No', 'Name', 'Age', 'Contact'])
In [17]:
#10. Retrieve all the values from 'Stu'.
print(stud.values())
dict_values([47, 'Sumit'])
In [18]:
#Q11.Add all elements of dictionary stud to Sample.
Sample= stud.copy()
print('Sample:', Sample)
print('stud:', stud)
Sample: {'Roll_No': 47, 'Name': 'Sumit'}
stud: {'Roll_No': 47, 'Name': 'Sumit'}
In [19]:
#Q12. Find the value of name from 'stud'.
print(stud['Name'])
Sumit
In [21]:
#Q13.Update contact-1234567890 in 'stud'.
stud.update({'Contact': '1234567890'})
print(stud)
{'Roll_No': 47, 'Name': 'Sumit', 'Contact': '1234567890'}
In [22]:
#Q14. Create a tuple. Add all the tuple items to a dictionary as keys and set the
tuple={('key1'):10,('key2'):10}
print(tuple)
{ 'key1': 10, 'key2': 10}
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In [23]:
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#Q15. Implement a python program to prove that mutable data types cannot be assign
dict={['key1']:10,['key2']:10}
print(dict)
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                                        Traceback (most recent call last)
TypeError
Cell In [23], line 2
     1 #Q15. Implement a python program to prove that mutable data types ca
nnot be assign
----> 2 dict={['key1']:10,['key2']:10}
     3 print(dict)
TypeError: unhashable type: 'list'
In [24]:
#16. Implement a python program to create a dictionary List and tuple
#List and tuple in dictionary
List1=[("Sumit",47), ("Shubham",46), ("Pranav",42)]
dict1=dict()
for student,score in List1:
   dict1.setdefault(student,[] ).append(score)
print(dict1)
{'Sumit': [47], 'Shubham': [46], 'Pranav': [42]}
In [ ]:
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