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**PYTHON PROGRAMMING**

**DATE OF PERFORMANCE : 23/09/24**

PRACTICAL 5

* **Write a program to accept month number from the user and display the month name. Continue this till the user says no**

**Input:**

b={1:'January',2:'February',3:'March',4:'April',5:'May',6:'June',7:'July',8:'August',9:'Septemb er',10:'October',11:'November',12:'December'} a=int(input("Enter the month number:")) if 0<a<=12:

print("Name of the month:",b[a]) else:

print("Wrong entry")

**Output:**



* **Given a dictionary a={'A':'Andheri','B':'Byculla','C':'Churchgate','D':'Dadar'},**

**Change the value of B with a list of Bandra, Borivali, Bhandup like B:[ Bandra, Borivali, Bhandup ]**

**Input:**

a={'A':'Andheri','B':'Byculla','C':'Churchgate','D':'Dadar'} a['B']=['Bandra', 'Borivali', 'Bhandup'] print(a)

**Output:**



* **Given a dictionary of months, display the sorted dictionary in descending.**

**Input:**

b={1:'January',2:'February',3:'March',4:'April',5:'May',6:'June',7:'July',8:'August',9:'Septemb er',10:'October',11:'November',12:'December'} sorted(b) sorted(b,reverse=True) x=sorted(b.items(),reverse=True) print(dict(x))

**Output:**



* **Accept a number ‘n’ from the user and generate and print a Dictionary that contains numbers from 1 to n as keys and their squares as values. Eg. {1:1,2:4…..}**

**Input:**

n=int(input("Enter number:")) d={} for i in range(1,n+1):

d[i]=i\*\*2 print(d)

**Output:**



* **Write the code to display the keys of dictionary d.**

**Input:**

**d={3:9,4:16,5:25} print(d.keys()) Output:**



* **Find the maximum and minimum keys as well as values of dictionary h={22:122,12:5,34:23,16:99,45:745}**

**Input:**

h={22:122,12:5,34:23,16:99,45:745} print(max(h.values())) print(min(h.values())) print(max(h)) print(min(h)) **Output:**



* **Find sum of all the items (keys and values) in dictionary m={12:45,4:5,1:2,7:8,3:4}**

**Input:**

m={12:45,4:5,1:2,7:8,3:4} a=sum(m) b=sum(m.values()) print(a+b)

**Output:**



* **Given a dictionary cl={'Roll No 1':{'Name':'Ajay','Marks':25},'Roll No 2':{'Name':'Bob','Marks':22},'Roll No 3':{'Name':'Riya','Marks':20}} Change Riya’s marks to 24 .**

**Input:**

cl={'Roll No 1':{'Name':'Ajay','Marks':25},'Roll No 2':{'Name':'Bob','Marks':22},'Roll No

3':{'Name':'Riya','Marks':20}}

cl['Roll No 3']['Marks']=24

print(cl)

**Output:**



* **Given a dictionary s={2:4,15:17,20:25,58:61}, write a program to create another dictionary with the same keys but each of the values should get doubled. Eg. h = {2: 8, 15: 34, 20: 50, 58: 122}**

**Input:**

s={2:4,15:17,20:25,58:61} h={} for i in s: h[i]=s[i]\*2 print(h)

**Output:**



* **Given a string s= &quot;name=Sam, age=30, city=Mumbai&quot;, write the code to convert it to a dictionary like {‘name’ : ’Sam’,……….}**

**Input:** s= "name=Sam, age=30, city=Mumbai"

q=s.split(",") di={} print(q) for i in q: a,b=i.split("=") di[a]=b print(di)

**Output:**



* **Demonstrate the use of eval() to convert string to dictionary.**

**Input:**

a="{10:20,30:40,58:60}" type(a) d=eval(a) type(d) dict

print(d)

**Output:**

