

**NAME: KASHIF MAJID**

**BATCH: *CS B1***

**PRN:*19070122084***

**PPS ASSIGNMENT 8**

**Q:1 )**

phone\_dict={}

r=int(input('Enter the no of value to put in :'))

for i in range(19070122069,19070122069+r):

a=input('Enter your name :')

phone\_dict[i]=input('Enter your number :')

print(phone\_dict)

**OUTPUT**

Enter the no of value to put in :2

Enter your name :Shubhangini

Enter your number :9727083847

Enter your name :Shriyaya

Enter your number :9599017424

{19070122069: '9727083847', 19070122070: ' 9599017424 '}

**Q:2 )**

d={}

for i in range(1,11):

n=input("enter username "+str(i)+" to save in the dictionary:")

pw=input("enter password for the entered username "+str(i)+":")

d[n]=pw

un=input('Enter the Username :')

if un in d:

p=input('Enter the password :')

if p!=d[un]:

print('Invalid Password')

else:

print('Access Granted ')

else:

print('Invalid username')

**OUTPUT**

enter username 1 to save in the dictionary:Alex

enter password for the entered username 1:111

enter username 2 to save in the dictionary:Leo

enter password for the entered username 2:222

enter username 3 to save in the dictionary:Stanley

enter password for the entered username 3:333

enter username 4 to save in the dictionary:Robert

enter password for the entered username 4:444

enter username 5 to save in the dictionary:Fernando

enter password for the entered username 5:555

enter username 6 to save in the dictionary:Carol

enter password for the entered username 6:666

enter username 7 to save in the dictionary:Susan

enter password for the entered username 7:777

enter username 8 to save in the dictionary:Ross

enter password for the entered username 8:888

enter username 9 to save in the dictionary:Joe

enter password for the entered username 9:999

enter username 10 to save in the dictionary:Monica

enter password for the entered username 10:101

Enter the Username :Alex

Enter the password :111

Access Granted

**Q:3 )**

n=int(input("Enter no. of departments: "))

d={}

e={}

for i in range(n):

dept=input("Enter department name: ")

emp=int(input("enter no. of employees: "))

for j in range(emp):

name=input("enter name of employee: ")

salary=int(input("Enter salary of employee: "))

e[name]=salary

d[dept]=e

e={}

print(d)

**OUTPUT**

Enter no. of departments: 3

Enter department name: A

enter no. of employees: 3

enter name of employee: B

Enter salary of employee: 300

enter name of employee: C

Enter salary of employee: 300

enter name of employee: D

Enter salary of employee: 400

Enter department name: E

enter no. of employees: 2

enter name of employee: F

Enter salary of employee: 400

enter name of employee: G

Enter salary of employee: 450

Enter department name: H

enter no. of employees: 2

enter name of employee: I

Enter salary of employee: 250

enter name of employee: J

Enter salary of employee: 500

{'A': {'B': 300, 'C': 300, 'D': 400}, 'E': {'F': 400, 'G': 450}, 'H': {'I': 250, 'J': 500}}

**Q:4 )**

l=[2,6,12,10,4,5,1,3]

c=0

while(c!=len(l)):

for i in range(0, len(l) ):

for j in range(0,i):

if l[i]<l[j]:

l.insert(j,l.pop(i))

#print(l) To observe each step

c=c+1

print(l)

**OUTPUT**

[1, 2, 3, 4, 5, 6, 10, 12]

**Q:5 )**

l=[5,1,2,8,4]

c=0

while(c!=len(l)):

for i in range(0, len(l) - 1):

if l[i + 1] < l[i]:

l.insert(i,l.pop(i+1))

#print(l) --> To see the actuall sorting

c=c+1

print(l)

**OUTPUT**

[1, 2, 4, 5, 8]

**Q:6)**

s=input('Enter A line:')

l=s.split(' ')

print(l)

l.sort()

for i in l:

print(i,end=' ')

**OUTPUT**

Enter A Line: SHRIYA IS CRAZY

['SHRIYA', 'IS', 'CRAZY ']

IS SHRIYA CRAZY

**Q:7 )**

s=”HELLO”

l=list(s)

d={}

for i in range(len(l)):

d[l[i]]=l.count(l[i])

print(d)

**OUTPUT**

{'H': 1, 'E': 1, 'L': 2, 'O': 1}

**Q:8 )**

d={1:'a',2:'c',4:'a'}

for i in d:

for j in d:

if d[i]==d[j]:

if i==j:

continue

if d[i]==d[j]:

del(d[j])

d[j]=' '

break

print(d)

**OUTPUT**

{1: 'a', 2: 'c', 4: ' '}

**Q:9)**

d\_pro={'Pen':15,'Pencil':5,'Sharpner':10,'Ruler':20}

amt=0

for i in d\_pro:

amt=amt+int(d\_pro[i])

for i in d\_pro:

print(i,':',d\_pro[i])

print('Amount is :',amt)

**OUTPUT**

Pen : 15

Pencil: 5

Sharpner : 10

Ruler: 20

Amount: 50