**02/03/2019**

**24/02 Assignments Revision**

def from\_keys(input\_dict,values=None):

result=dict()

Keys=input\_dict.keys()

if(type(values)==list):

i=0

for key in Keys:

if i<len(values):

result[key]=values[i]

i+=1

continue

result[key]=None

else:

result=dict.fromkeys(input\_dict,values)

return result

def main():

input\_dict=input("Enter dictionary")

values=input("Etner list of values")

print(from\_keys(input\_dict,values))

if \_\_name\_\_=='\_\_main\_\_':

main()

**#WAP to accpet a sentence from user and return a dictionary of count of each characters occurring in it.**

#e.g. "India is my country" count of a

def countOfChar(input\_sentence):

output\_dict={}

for ch in input\_sentence:

if output\_dict.get(ch)!=None:

output\_dict[ch]+=1

else:

output\_dict[ch]=1

return output\_dict

**def main():**

**input\_sentence=input("Enter entence")**

**print(countOfChar(input\_sentence))**

**if \_\_name\_\_=='\_\_main\_\_':**

**main()**

#count words in paragraph

def countOfCharInPara(input\_sentence):

output\_dict={}

for ch in input\_sentence.split():

if output\_dict.get(ch)!=None:

output\_dict[ch]+=1

else:

output\_dict[ch]=1

return output\_dict

def main():

input\_sentence=input("Enter entence")

print(countOfCharInPara(input\_sentence))

if \_\_name\_\_=='\_\_main\_\_':

main()

**#WAP to accept a sentence which contains uppercase and lowercase characters. Return a disctionary containing count of total no of lowercase characters and total no of uppercase characters**

>>> x={1:1,2:2,3:3}

>>> x

{1: 1, 2: 2, 3: 3}

>>> x.pop(2)

2

>>>

**#WAP to accpet n from user and return a dictionary of squares from 1 to that number**

def returnDictionary(n):

outputdictionary={}

for i in range(1,n+1):

outputdictionary[i]=i\*i

return outputdictionary

def main():

n=input("Enter any number")

print(returnDictionary(n))

if \_\_name\_\_=='\_\_main\_\_':

main()

**FILE HANDLING IN PYTHON**

Basic file operations :Open, read, write,close, seek

>>> fd=open("Homework.py")

>>> fd.readlines()

['#WAP to accpet a sentence from user and return a dictionary of count of each characters occurring in it.\n', '#e.g. "India is my country" count of a\n', 'def countOfChar(input\_sentence):\n', ' output\_dict={}\n', ' for ch in input\_sentence:\n', ' if output\_dict.get(ch)!=None:\n', ' output\_dict[ch]+=1\n', ' else:\n', ' output\_dict[ch]=1\n', ' return output\_dict\n', ' \n', 'def main():\n', ' input\_sentence=input("Enter entence")\n', ' print(countOfChar(input\_sentence))\n', '\n', "if \_\_name\_\_=='\_\_main\_\_':\n", ' main()\n']

>>> fd1=open("C:Python27/Hello.py")

>>> fd1.readlines()

['print ("Hello Universe!")\n', 'x=input("Enter first number")\n', 'y=input("Enter Second number")\n', 'print("addition :")\n', 'print(x+y)\n']

>>>